Author Index Geoderma Volumes 1–50

BIBLIOGRAPHY

0001 **Abdel-Kader, F. H.; and Abdel-Hamid, N. E.** Comparative micromorphology of some soil types of Lower Egypt 12(3): 245-262

0002 **Abreu, M. M.; and Robert, M.** Characterization of maghemite in B horizons of three soils from southern Portugal 36(2): 97-108

0003 **Abrol, I. P.; and Dahiya, I. S.** Flow-associated precipitation reactions in saline-sodic soils and their significance 11(4): 305-312

0004 **Abrol, I. P.; Khosla, B. K.; and Bhumbla, D. R.** Relationship of texture to some important soil moisture constants 2(1): 33-39

0005 **Acharya, C. L.; and Daudet, F. A.** Some difficulties in the interpretation of experimental outflow curves for hydraulic conductivity determinations 23(4): 285-297

0006 **Adams, J. A.; Campbell, A. S.; and Cutler, E. J. B.** Some properties of a chrono-toposequence of soils from granite in New Zealand; 1, Profile weights and general composition 13(1): 23-40

0007 **Adams, J. A.; and Walker, T. W.** Some properties of a chrono-toposequence of soils from granite in New Zealand; 2, Forms and amounts of phosphorus 13(1): 41-51

0008 **Addiscott, T. M.; Heys, P. J.; and Whitmore, A. P.** Application of simple leaching models in heterogeneous soils 38(1-4): 185-194

0009 **Adeoye, K. B.** Physical changes induced by rainfall in the surface layer of an Alfisol, Northern Nigeria 39(1): 59-66

0010 **Agassi, M.; Morin, J.; and Shainberg, I.** Laboratory studies of infiltration and runoff control in semi-arid soils in Israel 28(3-4): 345-356

0011 **Agassi, M.; Shainberg, I.; and Morin, J.** Infiltration and runoff in wheat fields in the semi-arid region of Israel 36(3-4): 263-276

0012 **Agrawal, R. P.; and Ramamoorthy, B.** Morphological and chemical characteristics of alkali and normal soils from Black and Red soils of India 4(4): 403-415

0013 **Ahmed, B.; and Islam, A.** The use of sodium EDTA as an extractant for determining available phosphate in soil 14(3): 261-165

0014 **Ahmed, F.** Relationship between plant-extractable zinc and soil zinc in calcareous soils in Turkey 16(1): 71-75

0015 **Aisenstein, B. (reviewer).** Stabilized earth roads [book review] 26(1-2): 128-129

0016 **Aitchison, G. D.** Twenty-five years of application of soil survey principles in the practice of foundation engineering 10(1-2): 99-112

0017 **Ajmone Marsan, F.; Barberis, E.; and Arduino, E.** A soil chronosequence in northwestern Italy; morphological, physical and chemical characteristics 42(1): 51-64

0018 **Akeson, M.; and Singer, M. J.** A preliminary length factor for erosion on steep slopes in Guatemala and its use to evaluate "curvas a nivel" 33(4): 265-282

Alexander • Anderson

0019 **Alexander, E. B.** Morphology, fertility and classification of productive soils on serpentinized peridotite in California (U. S.A.) 41(3-4): 337-351

0020 **Alexander, E. B.; and Arduino, E. B.** Estimating relative ages from iron-oxide/total-iron ratios of soils in the western Po Valley, Italy [discussion and reply] 35(3): 257-259

0021 **Alexander, M. J.** Micro-scale soil variability along a short moraine ridge at Okstindan, Northern Norway 37(4): 341-360

0022 **Aliyev, G. A.** Return of ashy elements into soil in various ecological conditions of the broadleaved forests of the eastern Caucasus (the Azerbaijan S.S.R.) 3(1): 69-74

0023 **Allard, B.; Moulin, V.; Basso, L.;** *et al.* Americium adsorption on alumina in the presence of humic materials 44(2-3): 181-187

0024 **Allbrook, R. F.; and Radcliffe, D. J.** Some physical properties of Andepts from the Southern Highlands, Papua New Guinea 41(1-2): 107-121

0025 **Allemeier, K. A.** Application of pedological soil surveys to highway engineering in Michigan 10(1-2): 87-89

0026 **Alloway, B. J.; and Davies, B. E.** Trace element content of soils affected by base metal mining in Wales 5(3): 197-208

0027 **Almendros, G.; Martín, F.; and González-Vila, F. J.** Depolymerization and degradation of humic acids with sodium perborate 39(3): 235-247

0028 **Almendros, G.; Martín, F.; and González-Vila, F. J.** Effects of fire on humic and lipid fractions in a Dystric Xerochrept in Spain 42(2): 115-127

0029 **Alperovitch, N.; and Dan, J.** Sodium-affected soils in the Jordan Valley 8(1): 37-57

0030 **Altemueller, H. J.; and Bailly, F.** Mikromorphologische Untersuchungen an einer nordwestdeutschen Parabraunerde-Pseudogley-Sequenz aus Löss [Micromorphology of a para-brown earth-Pseudogley sequence from loess, northwestern Germany] 16(4): 327-343

0031 **Altschaeffl, A. G. (reviewer).** Practical problems in soil mechanics and foundation engineering I. [book review] 37(3): 257-258

0032 **Amacher, M. C.; Kotuby-Amacher, J.; Selim, H. M.;** *et al.* Retention and release of metals by soils; evaluation of several models 38(1-4): 131-154

0033 **Ambrost, J. P.; Nahon, D.; and Herbillon, A. J.** The epigenetic replacement of kaolinite by hematite in laterite; petrographic evidence and the mechanisms involved 37(4): 283-294

0034 **Amundson, R. G.; Chadwick, O. A.; Sowers, J. M.;** *et al.* Soil evolution along an altitudinal transect in the eastern Mojave Desert of Nevada, U. S.A. 43(4): 349-371

0035 **Anamosa, P. R.; Nkedi-Kizza, P.; Blue, W. G.;** *et al.* Water movement through an aggregated, gravelly Oxisol from Cameroon 46(1-3): 263-281

0036 **Anand, R. R.; and Gilkes, R. J.** Weathering of hornblende, plagioclase and chlorite in meta-dolerite, Australia 34(3-4): 261-280

0037 **Anderson, D. W.** Early stages of soil formation on glacial till mine spoils in a semi-arid climate 19(1): 11-19

0038 **Anderson, M. G. (reviewer).** Applied geomorphology; geomorphological surveys for environmental developments [book review] 35(3): 263-264

0039 **Anderson, S. H.; Peyton, R. L.; and Gantzer, C. J.** Evaluation of constructed and natural soil macropores using X-ray computed tomography 46(1-3): 13-29

0040 **Andreini, M. S.; and Steenhuis, T. S.** Preferential paths of flow under conventional and conservation tillage 46(1-3): 85-102

0041 **Andriesse, J. P.** A study of the environment and characteristics of tropical Podzols in Sarawak (East-Malaysia) 2(3): 201-227

0042 **Andriesse, J. P.** The development of the Podzol morphology in the tropical lowlands of Sarawak (Malaysia) 3(4): 261-279

0043 **Andriesse, J. P.; van Rosmalen, H. A.; and Muller, A.** On the variability of amorphous materials in Andosols and their relationships to irreversible drying and P-retention 16(2): 125-138

0044 **Andriesse, W.; and Scholten, J. J.** Land capability assessment for a smallholders settlement scheme in Jamaica 29(3): 195-214

0045 **Angino, E. E. (reviewer).** Thermoluminescence of geological materials [book review] 3(2): 181-182

0046 **Anonymous.** In memoriam; Prof. Dr. Ir. F.A. van Baren 15(4): 271-272

0047 **Anonymous.** In memoriam; Prof. Dr. M M. Kononova, February 20, 1979 22(2): 161-162

0048 **Anonymous.** In memoriam, Charles E. Kellogg 24(1): 87-88

0049 **Anonymous.** Characteristics, genesis and classification of strongly weathered soils of Puerto Rico 27(1-2): 1-176

0050 **Arai, S.** Extraction of active aluminum from acid soils in Japan with different reagents 14(1): 63-74

0051 **Arai, S.; and Kumada, K.** An interpretation of the conductometric titration curve of humic acid 19(1): 21-35

0052 **Arai, S.; and Kumada, K.** Fractional determination of functional groups of humic acids by conductometric titration 19(4): 307-317

0053 **Arai, S.; and Kumada, K.** Factors controlling stability of Al-humate 26(1-2): 1-12

0054 **Arai, S.; and Kumada, K.** The determination of 1,2-dicarboxylate structures in humic acid by fluorescein formation 31(2): 151-162

0055 **Arduino, E.; Barberis, E.; Ajmone Marsan, F.;** *et al.* Iron oxides and clay minerals within profiles as indicators of soil age in northern Italy 37(1): 45-55

0056 **Arduino, E.; Barberis, E.; and Boero, V.** Iron oxides and particle aggregation in B horizons of some Italian soils 45(3-4): 319-329

0057 **Arduino, E.; Barberis, E.; Carraro, F.;** *et al.* Estimating relative ages from iron-oxide/total-iron ratios of soils in the western Po Valley, Italy 33(1): 39-52

0058 **Argyriadis, G. A.; Jannakoudakis, D. A.; and Polyzopoulos, N. A.** The release of nonexchangeable potassium from certain soils of northern Greece 20(2): 159-168

0059 **Aristovskaya, T. V.** Role of microorganisms in iron mobilization and stabilization in soils 12(1-2): 145-150

0060 **Arnold, P. W. (reviewer).** Micronutrients in agriculture [book review] 9(2): 154

0061 **Arnold, P. W. (reviewer).** Soil testing and plant analysis [book review] 11(4): 327-328

0062 **Arnold, P. W. (reviewer).** Soil taxonomy, achievements and challenges [book review] 37(3): 255

0063 **Arshad, M. A.; Schnitzer, M.; and Preston, C. M.** Characterization of humic acids from termite mounds and surrounding soils, Kenya 42(3-4): 213-225

0064 **Asamoa, G. K.** Particle size and free iron oxide distribution in some Latosols and groundwater laterites of Ghana 10(4): 285-297

Asumadu • Bal

0065 **Asumadu, K.; Gilkes, R. J.; Churchward, H. M.;** *et al.* Detailed characterization of quartz grains in two sandy soils, Western Australia 41(1-2): 29-47

0066 **Atkinson, D. (reviewer).** Soil resource surveys for forestry; soil, terrain and site mapping in boreal and temperate forest, [book review] 43(1): 75-76

0067 **Auerswald, K. (reviewer).** Die Bóden des Staates Tlaxcala im zentralen Hochland von Mexiko [Soils of Tlaxcala State in the central highlands of Mexico; book review] 49(3-4): 335-336

0068 **Augustinus, P. G. E. F.; and Slager, S.** Soil formation in swamp soils of the coastal fringe of Surinam 6(3): 203-211

0069 **Aurousseau, P.; Curmi, P.; Bouille, S.;** *et al.* Les vermiculites hydroxy-alumineuses du Massif Armoricain (France); approches minéralogique, microanalytique et thermodynamique [Hydroxy-aluminous vermiculites from the Armorican Massif (France); mineralogy, microanalysis and thermodynamics] 31(1): 17-40

0070 **Awadhwal, N. K.** A concept of time-density reducibility for soil 44(4): 329-334

0071 **Babel, U.** Vergleich von Mikrogefügemerkmalen einiger Humusbildungen mit Hilfe einer Schätzmethode [Comparison of microfabrics of selected humus formations] 1(3-4): 347-357

0072 **Babel, U.** Enchytraeen-Losungsgefüge in Löss [Fabrics of Enchytraeidae droppings in loess] 2(1): 57-63

0073 **Babel, U.** Gliederung und Beschreibung des Humusprofils in mitteleuropäischen Wäldern [Division and description of the humus profile in central-European forests] 5(4): 297-324

0074 **Babel, U.; and Christmann, A.** Vergleichende mikromorphometrische Untersuchungen der Humusprofile in zwei Buchenbeständen [Comparative micromorphology of humus profiles in two beech stands] 31(3): 239-264

0075 **Bache, B. W.; and Sharp, G. S.** Characterization of mobile aluminium in acid soils 15(2): 91-101

0076 **Bain, D. C.** The weathering of ferruginous chlorite in a Podzol from Argyllshire, Scotland 17(3): 193-208

0077 **Bain, D. C.; and Duthie, D. M. L.** The effect of weathering in the silt fractions on the apparent stability of chlorite in Scottish soil clays 34(3-4): 221-227

0078 **Baize, D. (reviewer).** Evolution des sols en milieu carbonaté; la pédogenèse sur roches calcaires dans une séquence bioclimatique méditerranéo-alpine du sud de la France [Soil evolution in a carbonate environment; pedogenesis on calcareous rocks in a mediterrano-alpine bioclimatic sequence from the south of France; book review] 14(4): 341-342

0079 **Baize, D. (reviewer).** Constituants et propriétés du sol [Constituents and properties of soils; book review] 25(3-4): 296-297

0080 **Baize, D. (reviewer).** Pédologie appliquée [Applied pedology; book review] 25(3-4): 303-304

0081 **Baker, H. G. (reviewer).** Tropical ecological systems; trends in terrestrial and aquatic research [book review] 16(1): 77

0082 **Bal, L.** Morphological investigation in two moder-humus profiles and the role of the soil fauna in their genesis 4(1): 5-37

0083 **Bal, L. (reviewer).** Moderprofile in Wäldern; morphologie und Umsetzungsprozesse [Moder-profiles in forests; morphology and processes; book review] 9(1): 79

0084 **Ball, B. C.; and Hunter, R.** The determination of water release characteristics of soil cores at low suctions 43(2-3): 195-212

0085 **Banin, A.; and Amiel, A.** A correlative study of the chemical and physical properties of a group of natural soils of Israel 3(3): 185-198

0086 **Barratt, B. C.** Differences in humus forms and their microfabrics induced by long-term topdressings in hayfields 1(3-4): 209-227

0087 **Barratt, B. C.** A revised classification and nomenclature of microscopic soil materials with particular reference to organic components 2(4): 257-271

0088 **Barratt, B. C.** Erratum; A revised classification and nomenclature of microscopic soil materials with particular reference to organic components 3(2): 183

0089 **Barrow, N. J.; and Shaw, T. C.** Sodium bicarbonate as an extractant for soil phosphate; I, Separation of the factors affecting the amount of phosphate displaced from soil from those affecting secondary adsorption 16(2): 91-107

0090 **Barrow, N. J.; and Shaw, T. C.** Sodium bicarbonate as an extractant for soil phosphate; II, Effect of varying the conditions of extraction on the amount of phosphate initially displaced and on the secondary adsorption 16(2): 109-123

0091 **Barrow, N. J.; and Shaw, T. C.** Sodium bicarbonate as an extractant for soil phosphate; III, Effects of the buffering capacity of a soil for phosphate 16(4): 273-283

0092 **Barrow, N. J.; and Shaw, T. C.** Factors affecting the amount of phosphate extracted from soil by anion exchange resin 18(4): 309-323

0093 **Bartenfelder, D. C.; and Karathanasis, A. D.** Quartz thermal activation energy as a tool in locating lithological discontinuities in Kentucky soils (U. S.A.) 48(1-2): 17-30

0094 **Bartoli, F.; Burtin, G.; and Herbillon, A. J.** Disaggregation and clay dispersion of Oxisols; Na resin, a recommended methodology 49(3-4): 301-317

0095 **Bartoli, F.; and Philippy, R.** The colloidal stability of suspensions of variable-charge soil constituents and soils 44(2-3): 167-180

0096 **Bascomb, C. L.; Banfield, C. F.; and Burton, R. G. O.** Characterisation of peaty materials from organic soils (Histosols) in England and Wales 19(2): 131-147

0097 **Bashour, I. I.; Al-Mashhady, A. S.; Devi Prasad, J.;** *et al.* Morphology and composition of some soils under cultivation in Saudi Arabia 29(4): 327-340

0098 **Bashour, I. I.; Devi Prasad, J.; and Al-Jaloud, A.** Phosphorus fractionation in some soils of Saudi Arabia 36(3-4): 307-315

0099 **Bauer, K. W.** The use of soils data in regional planning 10(1-2): 1-26

0100 **Bäumler, R.; Zech, W.; Heuberger, H.;** *et al.* Investigations on the intensity of weathering of soils developed from glacial and fluvioglacial deposits and their relationship with the history of the landscape in the Mt. Everest region 48(3-4): 223-243

0101 **Beatty, M. T.; and Bouma, J.** Application of soil surveys to selection of sites for on-site disposal of liquid household wastes 10(1-2): 113-122

0102 **Becher, H. H.** Wasserspannungsabhängiger Eindringwiderstand eines Pelosols [Penetration resistance of Pelosol samples as affected by their moisture status] 21(2): 105-118

0103 **Beckmann, G. G.** Application of the "standard cell" concept in research on soil formation 13(4): 299-315

0104 **Beckmann, W.** Bodengeographie der östlichen Sierra de Gredos (Spanien) [Soil geography of the eastern Sierra de Gredos, Spain] 1(3-4): 299-314

0105 **Behra, P.** Evidences for the existence of a retention phenomenon during the migration of a mercurial solution through a saturated porous medium 38(1-4): 209-222

Beinroth • Birkeland

0106 **Beinroth, F. H. (reviewer).** Andosoles de las Islas Canarias [Andosols of the Canary Islands; book review] 16(5): 446

0107 **Beinroth, F. H.** Some highly weathered soils of Puerto Rico; l, Morphology, formation and classification 27(1-2): 1-73

0108 **Beinroth, F. H. (reviewer).** Soil monolith papers; 1, Thionic Fluvisol (Sulfic Tropaquept), Thailand; Soil monolith paper; 5, Humic Acrisol (Orthoxic Palehumult), Jamaica; 6, Acri-Orthic Ferralsol (Haplic Acrorthox), Jamaica [book review] 34(3-4): 315-316

0109 **Bennema, J.; Jongerius, A.; and Lemos, R. C.** Micromorphology of some oxic and argillic horizons in South Brazil in relation to weathering sequences 4(3): 333-355

0110 **Bennett, J. G.** Aeolian deposition and soil parent materials in Northern Nigeria 24(3): 241-255

0111 **Berdanier, C. R.; Ross, S. J.; and Grossman, R. B.** Soil water capacity prediction 49(1-2): 77-81

0112 **Berg, R. C.** The origin and early genesis of clay bands in youthful sandy soils along Lake Michigan, U. S.A. 32(1): 45-62

0113 **Berrow, M. L.; and Reaves, G. A.** Trace elements in Scottish soils developed on greywackes and shales; variability in the total contents of basal horizon samples 26(3): 157-164

0114 **Berrow, M. L.; and Reaves, G. A.** Total chromium and nickel contents of Scottish soils 37(1): 15-27

0115 **Berrow, M. L.; Wilson, M. J.; and Reaves, G. A.** Origin of extractable titanium and vanadium in the A horizons of Scottish Podzols 21(2): 89-103

0116 **Berthelin, J.; and Belgy, G.** Microbial degradation of phyllosilicates during simulated podzolization 21(4): 297-310

0117 **Besoain Monasterio, E. (reviewer).** Physiography and soils of the Llanos Orientales, Colombia [book review] 9(2): 151-153

0118 **Besoain Monasterio, E. (reviewer).** Clays and clay minerals in natural and synthetic systems [book review] 20(1): 71-72

0119 **Besoain Monasterio, E. (reviewer).** Zur Ökologie der andinen Paramoregion [On the ecology of the Andean plains; book review] 23(3): 224-225

0120 **Besoain Monasterio, E. (reviewer).** Iron in soils and clay minerals [book review] 47(1-2): 191-194

0121 **Besoain, E.** Imogolite in volcanic soils of Chile 2(2): 151-169

0122 **Beyer, L.; Blume, H. P.; and Peters, M.** Biological activity and organic matter transformations in typical soils of Schleswig-Holstein 49(3-4): 273-284

0123 **Bhandari, G. S.; Maskina, M. S.; and Randhawa, N. S.** A study of humic and fulvic fractions of some soils of different agro-climatic regions of the erstwhile Punjab 3(3): 239-245

0124 **Bhavanarayana, M.** Geometry and surface conductance in mixtures of two clay minerals 19(3): 205-212

0125 **Bidoglio, G.; and Avogadro, A.** Equilibrium and kinetic controls on the subsurface migration of radioactive contaminants 44(2-3): 203-209

0126 **Birch, B. P. (reviewer).** Soils and landforms, an integration of geomorphology and pedology [book review] 29(3): 279-280

0127 **Birkeland, P. W.** Holocene soil chronofunctions, Southern Alps, New Zealand 34(2): 115-134

0128 **Birnie, A. C.; and Paterson, E.** The mineralogy and morphology of iron and manganese oxides in an imperfectly-drained Scottish soil 50(3): 219-238

0129 **Bisdom, E. B. A.; Boekestein, A.; Curmi, P.;** *et al.* Submicroscopy and chemistry of heavy-metal-contaminated precipitates from column experiments simulating conditions in a soil beneath a landfill 30(1-4): 1-20

0130 **Bisdom, E. B. A.; and Ducloux, J. (editors).** Submicroscopic studies of soils 30(1-4): 1-356

0131 **Bisdom, E. B. A.; Henstra, S.; Werner, H. W.;** *et al.* Quantitative analysis of trace and major elements in thin sections of soils with the secondary ion microscope (Cameca) 30(1-4): 117-134

0132 **Bisdom, E. B. A.; and Jongerius, A.** SEM-EDXRA studies of precipitates which clogged a water-tube filter 30(1-4): 253-270

0133 **Bisdom, E. B. A.; Nauta, R.; and Volbert, B.** STEM-EDXRA and SEM-EDXRA investigation of iron-coated organic matter in thin sections with transmitted, secondary and backscattered electrons 30(1-4): 77-92

0134 **Bisdom, E. B. A.; and Schoonderbeek, D.** The characterization of the shape of mineral grains in thin sections of soils by Quantimet and BESI 30(1-4): 303-322

0135 **Bisdom, E. B. A.; Thiel, F.; Volbert, B.;** *et al.* Variations in backscattered electron (BSE) images with a scanning electron microscope (SEM) as applied to mineral grains and excrements in a Podzol, to precipitates on a water-tube filter and to bauxite 30(1-4): 93-116

0136 **Bisdom, E. B. A.; van Adrichem Boogaert, H. A.; Heintzberger, G.;** *et al.* Porosity measurements and form analysis of mineral grains in thin sections from oil-gas reservoir rocks using Quantimet 720 and BESI 30(1-4): 323-337

0137 **Bishop, P. M.; Mitchell, P. B.; and Paton, T. R.** The formation of duplex soils on hillslopes in the Sydney Basin, Australia 23(3): 175-189

0138 **Black, C. C. , Jr. (reviewer).** CO_2 and plants, the response of plant to rising levels of atmospheric carbon dioxide, [book review] 34(3-4): 316-317

0139 **Blackburn, M.; Caillier, M.; Bourbeau, G. A.;** *et al.* Utilisation d'une solution de chlorure de sodium pour le remplacement de l'eau dans des echantillons d'argile lourde avant l'imprégnation [Utilization of a sodium chloride solution to replace water in heavy clay samples prior to resin impregnation] 41(3-4): 369-373

0140 **Blackith, R. E. (reviewer).** Soil organisms as components of ecosystems [book review] 21(3): 249-250

0141 **Blackwell, R. J. (reviewer).** Dynamics of fluids in porous media [book review] 14(2): 173-175

0142 **Blank, R. R.; and Fosberg, M. A.** Duripans of Idaho, U. S.A.; in situ alteration of eolian dust (loess) to an opal-A/X-ray amorphous phase 48(1-2): 131-149

0143 **Blasco, M. L.; and Cornfield, A. H.** Effect of soil moisture content during incubation on the nitrogen-mineralizing characteristics of the soils of Colombia (South America) 1(1): 19-25

0144 **Blasco, M. L.; and Cornfield, A. H.** Nitrification in saline sodic soils acidified with aluminium sulphate 5(2): 161-164

0145 **Blaser, P. (reviewer).** Die Braunen Waldböden Ungarns [The Brown forest soils of Hungary; book review] 9(2): 153

0146 **Bleeker, P.** The mineralogy of eight latosolic and related soils from Papua New Guinea 8(2-3): 191-205

0147 **Bleeker, P.; and Parfitt, R. L.** Volcanic ash and its clay mineralogy at Cape Hoskins, New Britain, Papua New Guinea 11(2): 123-135

Bleeker • Bouma

0148 **Bleeker, P.; and Speight, J. G.** Soil-landform relationships at two localities in Papua New Guinea 21(3): 183-198

0149 **Blokhuis, W. A.; Pape, T.; and Slager, S.** Morphology and distribution of pedogenic carbonate in some Vertisols of the Sudan 2(3): 173-200

0150 **Blokhuis, W. A.; Slager, S.; and Van Shagen, R. H.** Plasmic fabrics of two Sudan Vertisols 4(2): 127-137

0151 **Bobritzkaya, M. A.** Mögliche Verluste von NPK mit durchsickernden Wasser in Böden [Possible losses of nitrogen, phosphorus, and potassium through percolation of water in soils] 3(1): 63-68

0152 **Bobritzkaya, M. A.** Erratum; Mögliche Verluste von NPK mit durchsickernden Wassern in Böden [Erratum; Possible losses of nitrogen, phosphorus, and potassium through percolation of water in soils] 4(2): 156

0153 **Bochter, R.; and Zech, W.** Organic compounds in Cryofolists developed on limestone under subalpine coniferous forest, Bavaria 36(2): 145-157

0154 **Bockheim, J. G.** Properties and classification of some Desert soils in coarse-textured glacial drift in the Arctic and Antarctic 24(1): 45-69

0155 **Bockheim, J. G.** Solution and use of chronofunctions in studying soil development 24(1): 71-85

0156 **Bockheim, J. G.** Properties of a chronosequence of Ultraxerous soils in the Trans-Antarctic Mountains 28(3-4): 239-255

0157 **Bockheim, J. G.** Soil development rates in the Transantarctic Mountains 47(1-2): 59-77

0158 **Boero, V.; and Schwertmann, U.** Iron oxide mineralogy of Terra rossa and its genetic implications 44(4): 319-327

0159 **Bohn, H. L.; and Bohn, R. K.** Solid activity coefficients of soil components 38(1-4): 3-18

0160 **Borchert, H.** Untersuchungen der Bodengefügeveraenderung von meliorierten Böden [Changes of fabric in ameliorated soils] 1(3-4): 371-390

0161 **Borggaard, O. K.** The effect of temperature on the selectivity of EDTA as an extractant for amorphous iron oxides 26(1-2): 121-124

0162 **Borggaard, O. K.** Effect of granulation of soil samples and minerals on measurements of specific surface by nitrogen absorption 28(2): 147-149

0163 **Borovsky, V. M.** Soil processes and productivity in relation to climatic cycles in Kazakhstan 15(1): 41-49

0164 **Borrero, C.; Peña, F.; and Torrent, J.** Phosphate sorption by calcium carbonate in some soils of the Mediterranean part of Spain 42(3-4): 261-269

0165 **Bottner, P.; Grandjouan, G.; and Nedelka, E.** Classification des sols par une méthode multivariable; application à une séquence bioclimatique méditerranéo-alpine sur roches-mères calcaires [Classification of soils by a multivariate method; application to a mediterranean-alpine bioclimatic sequence on calcareous parent rocks] 14(1): 15-46

0166 **Boudot, J.; Bel Hadj Brahim, A.; and Chone, T.** Dependence of carbon and nitrogen mineralization rates upon amorphous metallic constituents and allophanes in highland soils 42(3-4): 245-260

0167 **Bouma, J.** Soil survey interpretation; estimating use-potentials of a clay soil under various moisture regimes 26(3): 165-177

0168 **Bouma, J.** Using morphometric expressions for macropores to improve soil physical analyses of field soils 46(1-3): 3-11

0169 **Bouma, J.; and Dekker, L. W.** A case study on infiltration into dry clay soil; I, Morphological observations 20(1): 27-40

0170 **Bouma, J.; Dekker, L. W.; and Haans, J. C. F. M.** Drainability of some Dutch Clay soils; a case study of soil survey interpretation 22(3): 193-203

0171 **Bouma, J.; Dekker, L. W.; and Wösten, J. H. M.** A case study on infiltration into dry clay soil; II, Physical measurements 20(1): 41-51

0172 **Bouma, J.; Jongmans, A. G.; Stein, A.;** *et al.* Characterizing spatially variable hydraulic properties of a boulder clay deposit in the Netherlands 45(1): 19-29

0173 **Bouma, J.; van Rooyen, D. J.; and Hole, F. D.** Estimation of comparative water transmission in two pairs of adjacent virgin and cultivated pedons in Wisconsin 13(2): 73-88

0174 **Bourg, A. C. M.; Darmendrail, D.; and Ricour, J.** Geochemical filtration of riverbank and migration of heavy metals between the Deûle River and the Ansereuilles alluvion-chalk aquifer (Nord, France) 44(2-3): 229-244

0175 **Bourg, A. C. M.; and Védy, J. C.** Expected speciation of dissolved trace metals in gravitational water of acid soil profiles 38(1-4): 279-292

0176 **Boyle, J. R. (reviewer).** Properties and management of Forest soils [book review] 26(3): 217-218

0177 **Boyle, J. R. (reviewer).** Pattern process in a forested ecosystem [book review] 26(1-2): 131-133

0178 **Bracewell, J. M.** Characterization of soils by pyrolysis combined with mass spectrometry 6(3): 163-168

0179 **Bracewell, J. M.; and Robertson, G. W.** Characteristics of soil organic matter in temperate soils by Curie-point pyrolysis-mass spectrometry; III, Transformations occurring in surface organic horizons 40(3-4): 333-344

0180 **Bracewell, J. M.; Robertson, G. W.; and Tate, K. R.** Pyrolysis-gas chromatography studies on a climosequence of soils in tussock grasslands, New Zealand 15(3): 209-215

0181 **Bradley, R. I.** Trace elements in soils around Llechryd, Dyfed, Wales 24(1): 17-23

0182 **Brammer, H.** Coatings in seasonally flooded soils 6(1): 5-16

0183 **Brammer, H.** Podzols in Zambia 10(3): 249-250

0184 **Brammer, H.; and Brinkman, R.** Surface-water gley soils in Bangladesh; environment, landforms and soil morphology 17(2): 91-109

0185 **Bravard, S.; and Righi, D.** Geochemical differences in an Oxisol-Spodosol toposequence of Amazonia, Brazil 44(1): 29-42

0186 **Bravard, S.; and Righi, D.** Characterization of fulvic and humid acids from an Oxisol-Spodosol toposequence of Amazonia, Brazil 48(1-2): 151-162

0187 **Bregt, A. K.; and Beemster, J. G. R.** Accuracy in predicting moisture deficits and changes in yield from soil maps 43(4): 301-310

0188 **Bregt, A. K.; Bouma, J.; and Jellinek, M.** Comparison of thematic maps derived from a soil map and from kriging of point data 39(4): 281-291

0189 **Bresson, L. M.; and Boiffin, J.** Morphological characterization of soil crust development stages on an experimental field 47(3-4): 301-325

0190 **Brewer, R. (reviewer).** Micromorphological techniques and applications [book review] 7(1-2): 136

0191 **Brewer, R.** The basis of interpretation of soil micromorphological data 8(2-3): 81-94

Brewer • Bryan

0192 **Brewer, R.** Proposal for a micromorphological classification of soil materials; I, A classification of the related distributions of fine and coarse particles 15(5): 437-442

0193 **Brinkman, R.** Ferrolysis, a hydromorphic soil forming process 3(3): 199-206

0194 **Brinkman, R.** Surface-water gley soils in Bangladesh; genesis 17(2): 111-144

0195 **Brinkman, R.; Jongmans, A. G.; Miedema, R.;** *et al.* Clay decomposition in seasonally wet, acid soils; micro-morphological, chemical and mineralogical evidence from individual argillans 10(4): 259-270

0196 **Bronger, A.** Zur Mikromorphogenese und zum Tonmineralbestand quartärer Lössböden in Südbaden [Micromorphogenesis and mineralogic composition of the clay fraction in Quaternary loess soils in southern Baden] 3(4): 281-320

0197 **Bronger, A.; and Heinkele, T.** Micromorphology and genesis of Paleosols in the Luochuan loess section, China; pedostratigraphic and environmental implications 45(2): 123-143

0198 **Bronger, A.; Kalk, E.; and Schroeder, D.** Über Glimmer- und Feldspatverwitterung sowie Entstehung und Umwandlung von Tonmineralen in rezenten und fossilen Lössböden [On the weathering of micas and feldspars, as well as the genesis and transformation of clay minerals in Recent and fossil loess soils] 16(1): 21-54

0199 **Brook, A. J. (reviewer).** Thermophilic micro-organisms and life at high temperatures [book review] 24(4): 363-364

0200 **Brook, R. H.; and van Schuylenborgh, J.** Weathering geochemistry of a Paleudult in tropical Surinam 14(1): 3-13

0201 **Brooks, J. (reviewer).** Environment biogeochemistry [book review] 39(2): 157-158

0202 **Bruce, J. G.** Patterns and classification by soil taxonomy of the soils of the southern Cook Islands 31(4): 301-323

0203 **Bruce, R. R.; White, A. W., Jr.; Thomas, A. W.;** *et al.* Characterization of soil-crop yield relations over a range of erosion on a landscape 43(2-3): 99-116

0204 **Bruckert, S.** Classification des sols bruns ocreux et cryptopodzoliques par analyse des extraits tetraborates tamponnés à pH 9,5 [Classification of brown ochrous and cryptopodzolic soils by analysis of buffered tetraborate extracts with a pH of 9.5] 22(3): 205-212

0205 **Bruggenwert, M. G. M. (reviewer).** Principles of soil chemistry [book review] 33(1): 83-84

0206 **Bruins, H. J. (reviewer).** Bibliography on paleopedology [book review] 16(5): 445

0207 **Brümmer, G.** Redoxpotentiale und Redoxprozesse von Mangan-, Eisen- und Schwefelverbindungen in hydromorphen Böden und Sedimenten [Redox potentials and redox processes of manganese, iron and sulfur compounds in hydromorphic soils and sediments] 12(3): 207-222

0208 **Brümmer, G.; Tiller, K. G.; Herms, U.;** *et al.* Adsorption-desorption and/or precipitation; dissolution processes of zinc in soils 31(4): 337-354

0209 **Brussaard, L.; and Hijdra, R. D. W.** Some effects of scarab beetles in sandy soils of the Netherlands 37(4): 325-330

0210 **Brussaard, L.; and Runia, L. T.** Recent and ancient traces of scarab beetle activity in sandy soils of the Netherlands 34(3-4): 229-250

0211 **Brusseau, M. L.; and Rao, P. S. C.** Modeling solute transport in structured soils; a review 46(1-3): 169-192

0212 **Bryan, R. B.** The development, use and efficiency of indices of soil erodibility 2(1): 5-26

0213 **Bryan, R. B.; and Luk, S.** Laboratory experiments on the variation of soil erosion under simulated rainfall 26(4): 245-265

0214 **Bui, E. N.; and Wilding, L. P.** Pedogenesis and mineralogy of a Halaquept in Niger (West Africa) 43(1): 49-64

0215 **Bullock, P.; and Murphy, C. P.** Evolution of a paleo-argillic brown earth (Paleudalf) from Oxfordshire, England 22(3): 225-252

0216 **Bunting, B. T.; and Lundberg, J.** The humus profile; concept, class and reality 40(1-2): 17-36

0217 **Buringh, P. (reviewer).** The soil resources of tropical Africa [book review] 3(2): 175

0218 **Buringh, P. (reviewer).** Mineralogische und chemische Eigenschaften von Katenen tropischer Böden in Kenia und ihr pedogenetisch bedingter Nährstoffhaushalt [Mineralogical and chemical properties of some catenary tropical soils of Kenya and their pedologically derived nutrient status; book review] 13(4): 380

0219 **Busacca, A. J.** Pedogenesis of a chronosequence in the Sacramento Valley, California, U. S.A.; I, Application of a soil development index 41(1-2): 123-148

0220 **Busacca, A. J.** Long Quaternary record in eastern Washington, U. S.A., interpreted from multiple buried Paleosols in loess 45(2): 105-122

0221 **Busacca, A. J.; and Singer, M. J.** Pedogenesis of a chronosequence in the Sacramento Valley, California, U. S.A.; II, Elemental chemistry of silt fractions 44(1): 43-75

0222 **Buurman, P. (reviewer).** Soils and Quaternary landscape evolution [book review] 39(1): 79-80

0223 **Buurman, P. (reviewer).** Soils and Quaternary geology; a handbook for field scientists [book review] 42(1): 95-96

0224 **Buyanovsky, G.** Distribution of alkaline-earth carbonates in soils of an arid constructional plain, Transcaucasus 24(2): 177-190

0225 **Cabrera, F.; de Arambarri, P.; Madrid, L.;** *et al.* Desorption of phosphate from ion oxides in relation to equilibrium pH and porosity 26(3): 203-216

0226 **Caillier, M.; Guillet, B.; and Gury, M.** Etude d'une chronoséquence de sols sur terrasses alluviales dans l'est de la France; vallée de la Moselle [A soil chronosequence on alluvial terraces in eastern France; Moselle Valley] 37(3): 233-253

0227 **Caillier, M.; and Visser, S. A.** Observations on the dispersion and aggregation of clays by humic substances; II, Short-term effects of humus-rich peat water on clay aggregation 43(1): 1-9

0228 **Calembert, L. (reviewer).** Les roches sédimentaires; 1, Etude sédimentologique des roches meubles [Sedimentary rocks; 1, Sedimentological study of loose rock; book review] 14(4): 342-343

0229 **Calembert, L. (reviewer).** Cyclic and event stratification [book review] 33(1): 85

0230 **Callebaut, F.; Gabriels, D.; and de Boodt, M.** Time responses of sugar beet germination, oxygen diffusion and redox potential to crust formation, polyacrylamide stabilization and peroxide fertilization 25(3-4): 275-283

0231 **Campbell, I. B.; and Claridge, G. G. C.** The influence of moisture on the development of soils of the cold deserts of Antarctica 28(3-4): 221-238

0232 **Carbajal, H.; Benayas, J.; Garcia Vicente, J.;** *et al.* Contact-microradiography as applied to the distribution of iron and manganese in thin sections of a Mediterranean Brown soil 3(2): 133-145

0233 **Carter, B. J.; and Ciolkosz, E. J.** Slope gradient and aspect effects on soils developed from sandstone in Pennsylvania 49(3-4): 199-213

Carvalho Cardoso • Chittleborough

0234 **Carvalho Cardoso, J. (reviewer).** Manuel de prospection pédologique [Manual for soil field studies; book review] 6(1): 79-80

0235 **Carvalho Cardoso, J. (reviewer).** European Solonetz soils and their reclamation [book review] 8(4): 300-302

0236 **Cary, J. W.; and Hayden, C. W.** An index for soil pore size distribution 9(4): 249-256

0237 **Chameau, J. L. (reviewer).** Fundamentals of soildynamics [book review] 33(3): 255-256

0238 **Chartres, C. J.** A Quaternary soil sequence in the Kennet Valley, central southern England 23(2): 125-146

0239 **Chartres, C. J. (reviewer).** Soils of Papua New Guinea [book review] 37(1): 68-70

0240 **Chartres, C. J. (reviewer).** Soil spatial variability [book review] 39(2): 158-159

0241 **Chartres, C. J.** The composition and formation of grainy void cutans in some soils with textural contrast in southeastern Australia 39(3): 209-233

0242 **Chartres, C. J. (reviewer).** Principles of geographical information systems for land resources assessment [book review] 42(3-4): 371-372

0243 **Chartres, C. J.; and Pain, C. F.** A climosequence of soils on late Quaternary volcanic ash in highland Papua New Guinea 32(2): 131-155

0244 **Chaudhry, I. A.; and Cornfield, A. H.** Low-temperature storage for preventing changes in mineralizable nitrogen and sulphur during storage of air-dry soils 5(2): 165-168

0245 **Chauvel, A. (reviewer).** Les sols ferrallitiques; Tome I, historique; développement des connaissances et formation des concepts actuels [Ferralitic soils; Volume 1, History; development of knowledge and formation of current concepts; book review] 9(4): 299

0246 **Chen, Y.; Banin, A.; and Borochovitch, A.** Effect of potassium on soil structure in relation to hydraulic conductivity 30(1-4): 135-147

0247 **Chen, Y.; Senesi, N.; and Schnitzer, M.** Chemical and physical characteristics of humic and fulvic acids extracted from soils of the Mediterranean region 20(2): 87-104

0248 **Chernyakhovsky, A. G.; Gradusov, B. P.; and Chizhikova, N. P.** Types of Recent weathering crusts and their global distribution 16(3): 235-255

0249 **Chesworth, W.** The parent rock effect in the genesis of soil 10(3): 215-225

0250 **Chesworth, W.; Huggett, R. J.; and Yaalon, D. H.** Conceptual models in pedogenesis [discussion and reply] 16(3): 257-266

0251 **Childs, C. W.** Composition of iron-manganese concretions from some New Zealand soils 13(2): 141-152

0252 **Childs, C. W.; and Furkert, R. J.** The relative-intensity method of X-ray fluorescence analysis and its application to soils and rocks 11(1): 67-72

0253 **Childs, C. W.; Parfitt, R. L.; and Lee, R.** Movement of aluminium as an inorganic complex in some podzolised soils, New Zealand 29(2): 139-155

0254 **Childs, E. C. (reviewer).** Soil and water [book review] 7(3-4): 277-278

0255 **Chilingar, G. V.; and Bissell, H. J. (reviewers).** Proceedings of the International clay conference, 1; Tokyo, 1969 [book review] 4(2): 152-153

0256 **Chittleborough, D. J.; Oades, J. M.; and Walker, P. H.** Textural differentiation in chronosequences from eastern Australia; III, Evidence from elemental chemistry 32(3): 227-248

0257 **Chittleborough, D. J.; Walker, P. H.; and Oades, J. M.** Textural differentiation in chronosequences from eastern Australia; I, Descriptions, chemical properties

and micromorphologies of soils 32(3): 181-202

0258 **Chittleborough, D. J.; Walker, P. H.; and Oades, J. M.** Textural differentiation in chronosequences from eastern Australia; II, Evidence from particle-size distributions 32(3): 203-226

0259 **Chretien, J.; and Bisdom, E. B. A.** The development of soil porosity in experimental sandy soils with clay admixtures as examined by Quantimet 720 from BESI and by other techniques 30(1-4): 285-302

0260 **Churchman, G. J.; and Tate, K. R.** Aggregation of clay in six New Zealand soil types as measured by disaggregation procedures 37(3): 207-220

0261 **Claridge, G. G. C. (reviewer).** Atlas of electron microscopy of clay minerals and their admixtures [book review] 2(2): 172

0262 **Clark, F. (reviewer).** Environmental role of nitrogen-fixing blue-green algae and asymbiotic bacteria [book review] 22(4): 337

0263 **Clark, F. E. (reviewer).** Petroleum microbiology [book review] 2(1): 83-84

0264 **Clark, F. E.; Warren, C. G.; and O'Deen, W. A.** Early uptake of $_{15}N$ in shortgrass prairie 13(1): 61-66

0265 **Clayden, B. (reviewer).** Soils of the British Isles [book review] 50(3): 259-260

0266 **Coen, G.** Soil survey and interpretation procedures in mountainous Waterton Lakes National Park, Canada 10(1-2): 75-86

0267 **Cole, G. E. D. (reviewer).** Land assessment in Scotland [book review] 25(3-4): 304-305

0268 **Colin, F.; Lecomte, P.; and Boulange, B.** Dissolution features of gold particles in a lateritic profile at Dondo Mobi, Gabon 45(3-4): 241-250

0269 **Collins, J. F.** Soil heterogeneity and profile development in a stratified gravel deposit in Ireland 15(2): 143-156

0270 **Collins, J. F.; and O'Dubhain, T.** A micromorphological study of silt concentrations in some Irish podzols 24(3): 215-224

0271 **Collins, K.** Scanning electron microscopy of engineering soils 30(1-4): 243-252

0272 **Collins, M. E.; Puckett, W. E.; Schellentrager, G. W.;** *et al.* Using GPR for micro-analyses of soils and karst features on the Chiefland limestone plain in Florida 47(1-2): 159-170

0273 **Colombo, U. (reviewer).** Elemental analysis in geochemistry; Part A, Major elements [book review] 4(2): 151-152

0274 **Conacher, A. J.; and Dalrymple, J. B.** The nine unit landsurface model; an approach to pedogeomorphic research 18(1-2): 1-154

0275 **Conry, M. J.** Pedological evidence of man's role in soil profile modification in Ireland 8(2-3): 139-146

0276 **Cooper, T. H. (reviewer).** Principles and applications of soil geography [book review] 33(4): 346-347

0277 **Cooper, T. H. (reviewer).** Soil survey and land evaluation [book review] 34(2): 165-166

0278 **Cornfield, A. H.** Effects of addition of 12 metals on carbon dioxide release during incubation of an acid sandy soil 19(3): 199-203

0279 **Cortes, A.; and Franzmeier, D. P.** Weathering of primary minerals in volcanic ash-derived soils of the central Cordillera of Colombia 8(2-3): 165-176

0280 **Cortez, J.** Biodégradation, in vitro, de deux lipopolysaccharides bactériens ^{14}C dans un sol rouge méditerranën [Biodegradation, in vitro, of two C-14

Cortez • Dan

labelled microbial lipopolysaccharides in a Mediterranean Red soil] 18(3): 177-192

0281 **Corwin, D. L.; Sorensen, M.; and Rhoades, J. D.** Field-testing of models which identify soils susceptible to salinity development 45(1): 31-64

0282 **Cosby, B. J.; Hornberger, G. M.; Rastetter, E. B.;** *et al.* Estimating catchment water quality response to acid deposition using mathematical models of soil ion exchange processes 38(1-4): 77-95

0283 **Cottenie, A.** Parent material-soil relationship in trace elements; a quantitative estimation [discussion] 7(1-2): 133

0284 **Coudé-Gaussen, G.; and Rognon, P.** Origine éolienne de certains encroûtements calcaires sur l'Ile de Fuerteventura (Canaries orientales) [Eolian origin of some calcretes on Fuerteventura, Canary Islands] 42(3-4): 271-293

0285 **Coulter, J. K. (reviewer).** Agricultural development, soil, food, people, work [book review] 17(2): 165-166

0286 **Courty, M. A.; and Fedoroff, N.** Micromorphology of Recent and buried soils in a semi-arid region of northwestern India 35(4): 287-332

0287 **Coventry, R. J.; and Williams, J.** Quantitative relationships between morphology and current soil hydrology in some Alfisols in semiarid tropical Australia 33(3): 191-218

0288 **Crampton, C. B.** Podzolization of soils under individual tree canopies in southwestern British Columbia, Canada 28(1): 57-61

0289 **Crampton, C. B.** Concentric zonation of gleyed soils under individual tree canopies in southwestern British Columbia, Canada 32(4): 329-334

0290 **Curtin, D.; Naidu, R.; and Syers, J. K.** Chemical and mineralogical characteristics of some strongly weathered Fijian soils; fertility implications 48(3-4): 363-372

0291 **Curtin, D.; and Smillie, G. W.** Origin of the pH-dependent cation exchange capacities of Irish soil clays 22(3): 213-224

0292 **Daccord, G.; Touboul, E.; and Lenormand, R.** Chemical dissolution of a porous medium; limits of the fractal behaviour 44(2-3): 159-165

0293 **Dahlgren, R. A.; and Ugolini, F. C.** Effects of tephra addition on soil processes in Spodosols in the Cascade Range, Washington, U. S.A. 45(3-4): 331-355

0294 **Dahlgren, R. A.; and Ugolini, F. C.** Distribution and characterization of short-range-order minerals in Spodosols from the Washington Cascades 48(3-4): 391-413

0295 **Dalrymple, J. B. (reviewer).** Soil microscopy [book review] 15(4): 344-345

0296 **Dalrymple, J. B.; and Jim, C. Y.** Experimental study of soil microfabrics induced by isotropic stresses of wetting and drying 34(1): 43-68

0297 **Dalrymple, J. B.; and Theocharopoulos, S. P.** Intrapedal cutans; experimental production of depositional (illuviation) channel argillans 33(3): 237-243

0298 **Dalrymple, J. B.; and Theocharopoulos, S. P.** Intrapedal cutans; lateral differences in their properties and their spatial clustering 41(1-2): 149-180

0299 **Dalton, F. N.; and van Genuchten, M. T.** The time-domain reflectometry method for measuring soil water content and salinity 38(1-4): 237-250

0300 **Daly, B. K.** Identification of Podzols and podzolised soils in New Zealand by relative absorbance of oxalate extracts of A and B horizons 28(1): 29-38

0301 **Dan, J.; and Singer, A.** Soil evolution on basalt and basic pyroclastic materials in the Golan Heights 9(3): 165-192

0302 **Dan, J.; Yaalon, D. H.; and Koyumdjisky, H.** Catenary soil relationships in Israel; 1, The Netanya catena on coastal dunes of the Sharon 2(2): 95-120

0303 **Dan, J.; Yaalon, D. H.; Moshe, R.;** *et al.* Evolution of Reg soils in southern Israel and Sinai 28(3-4): 173-202

0304 **Daniels, R. B.; and Gamble, E. E.** The edge effect in some Ultisols in the North Carolina coastal plain 1(2): 117-124

0305 **Daniels, R. B.; and Gamble, E. E.** Relations between stratigraphy, geomorphology and soils in coastal plain areas of southeastern U. S.A. 21(1): 41-65

0306 **Darab, K.; Csillag, J.; and Pinter, I.** Studies on the ion composition of salt solutions and of saturation extracts of salt-affected soils 23(2): 95-111

0307 **Dasog, G. S.; Mermut, A. R.; and Acton, D. F.** Micromorphology and submicroscopy of illuviated mineral particles in boreal Clay soils of Saskatchewan, Canada 40(1-2): 193-208

0308 **Davey, B. G.; Russell, J. D.; and Wilson, M. J.** Iron oxide and clay minerals and their relation to colours of red and yellow podzolic soils near Sydney, Australia 14(2): 125-138

0309 **David, M. B.; and Driscoll, C. T.** Aluminum speciation and equilibria in soil solutions of a Haplorthod in the Adirondack Mountains (New York, U. S.A.) 33(4): 297-318

0310 **Davies, B. E.** Mercury content of soils in western Britain with special reference to contamination from base metal mining 16(3): 183-192

0311 **Davies, B. E.** A graphical estimation of the normal lead content of some British soils 29(1): 67-75

0312 **Davies, B. E.; and Gamm, S. A.** Trend surface analysis applied to soil reaction values from Kent, England 3(3): 223-231

0313 **Dawson, B. S. W.; Fergusson, J. E.; Campbell, A. S.;** *et al.* Distribution of elements in some Fe-Mn nodules and an iron-pan in some Gley soils of New Zealand 35(2): 127-143

0314 **Dawson, B. S. W.; Fergusson, J. E.; Campbell, A. S.;** *et al.* Depletion of first-row transition metals in a chronosequence of soils in the Reefton area of New Zealand 48(3-4): 271-296

0315 **de Bakker, H. (reviewer).** Bodenkunde in Stichworten [Soil science in catchwords] [book review] 4(2): 155

0316 **de Bakker, H.** Purposes of soil classification 4(3): 195-208

0317 **de Bakker, H.** The distinction between Haplaquents and Haplaquepts in the Dutch marine and fluviatile sediments 5(3): 169-178

0318 **de Bakker, H. (reviewer).** Soils of Czechoslovakia [book review] 5(4): 345

0319 **de Bakker, H. (reviewer).** Soil science simplified [book review] 28(1): 64

0320 **de Bakker, H. (reviewer).** Soils and geomorphology [book review] 37(1): 70

0321 **de Bakker, H. (reviewer).** Soil erosion and conservation [book review] 39(1): 79

0322 **De Bussetti, S. G.; and Tschapek, M.** Thermodynamics of water-vapour adsorption by mixtures of montmorillonite and humate 8(4): 281-290

0323 **de Coninck, F. (reviewer).** L'évolution géochimique supergène des roches ultrabasiques en zone tropicale, formation des gisements nickelifères de Nouvelle Calédonie [Supergene geochemical evolution of ultrabasic rocks in the tropical zone, genesis of nickeliferous deposits in New Caledonia; book review] 16(3): 269

de Coninck • Dent

0324 **de Coninck, F. (reviewer).** Pédologie; 1, Pédogénèse et classification [Pedology; 1, Pedogenesis and classification; book review] 21(3): 246-247

0325 **de Coninck, F.** Major mechanisms in formation of spodic horizons 24(2): 101-128

0326 **de Coninck, F. (reviewer).** The micromorphology of soils [book review] 26(4): 330-331

0327 **de Coninck, F. (reviewer).** Soil physical properties and crop production in the tropics [book review] 26(1-2): 125-126

0328 **de Coninck, F. (reviewer).** Submicroscopy of soils and weathered rocks [book review] 31(2): 165-167

0329 **de Coninck, F. (reviewer).** Micromorphology of soils [book review] 37(1): 67-68

0330 **de Coninck, F. (reviewer).** Handbook for soil thin section description [book review] 39(3): 267-268

0331 **De Jong, E.; and MacDonald, K. B.** The soil moisture regime under native grassland 14(3): 207-221

0332 **de Jong, E.; and Richter, J.** Evidence for significance of other-than-normal diffusion transport in soil gas exchange [discussion and reply] 10(3): 251-258

0333 **de Kimpe, C. (reviewer).** Livre jubilaire du cinquantenaire, AFES-50, 1934-1984 [50th anniversary commemorative volume, AFES-50, 1934-1984; book review] 39(2): 161-162

0334 **de Kimpe, C. R.; Laverdière, M. R.; Dejou, J.;** *et al.* Effects of acidic and basic parent materials on formation of some soils in Quebec (Canada) 33(2): 101-118

0335 **de la Rosa, D.; Cardona, F.; and Almorza, J.** Crop yield predictions based on properties of soils in Sevilla, Spain 25(3-4): 267-274

0336 **de Smedt, F.; Wauters, F.; and Sevilla, J.** Study of tracer movement through unsaturated sand 38(1-4): 223-236

0337 **de Villiers, J. M. (reviewer).** Pedology; a systematic approach to soil science [book review] 8(1): 73-74

0338 **de Villiers, J. M. (reviewer).** Proceedings of the international workshop on soils, 12-16 September 1983, Townsville, Queensland, Australia [book review] 39(2): 164-165

0339 **de Wit, C. T.; and van Keulen, H.** Modelling production of field crops and its requirements 40(3-4): 253-265

0340 **DeKeyser, A.; Martin, H.; and Herbillon, A. J.** Distribution et localisation du Zn et du Pb dans un sol complexe situé à l'aplomb d'un gossan en milieu carbonate (Famenne belge) [Distribution and localization of Zn and Pb in a complex soil located above a gossan in a carbonate environment; Famenne region, Belgium] 29(3): 221-236

0341 **Dekker, L. W.; and De Weerd, M. D.** The value of soil survey for archaeology 10(1-2): 169-178

0342 **Dekker, L. W.; Wösten, J. H. M.; and Bouma, J.** Characterizing the soil moisture regime of a Typic Haplohumod 34(1): 37-42

0343 **Delvaux, B.; Herbillon, A. J.; and Vielvoye, L.** Characterization of a weathering sequence of soils derived from volcanic ash in Cameroon; taxonomic, mineralogical and agronomic implications [abstr.] 45(3-4): 375-388

0344 **Denning, J. L.; Bouma, J.; Falayi, O.;** *et al.* Calculation of hydraulic conductivities of horizons in some major soils in Wisconsin 11(1): 1-16

0345 **Dent, D. (reviewer).** Monographs on soil survey, soil sampling and soil description [book review] 23(2): 161-162

0346 **Dent, D. (reviewer).** Major soils and soil regions in the Netherlands [book review] 25(3-4): 298

0347 **Dent, D. (reviewer).** Soil and permafrost surveys in the Arctic [book review] 31(2): 167-168

0348 **Dent, D. (reviewer).** Constituents and properties of soils [book review] 33(3): 257

0349 **Deshpande, S. B.; Fehrenbacher, J. B.; and Beavers, A. H.** Mollisols of Tarai region of Uttar Pradesh, northern India; 1, Morphology and mineralogy 6(3): 179-193

0350 **Deshpande, S. B.; Fehrenbacher, J. B.; and Ray, B. W.** Mollisols of Tarai region of Uttar Pradesh, northern India; 2, Genesis and classification 6(3): 195-201

0351 **Dexter, A. R.** Shapes of aggregates from tilled layers of some Dutch and Australian soils 35(2): 91-107

0352 **Dhillon, S. K.; and Dhillon, K. S.** Kinetics of release of non-exchangeable potassium by cation-saturated resins from Red (Alfisols), Black (Vertisols) and Alluvial (Inceptisols) soils of India 47(3-4): 283-300

0353 **Dhillon, S. K.; and Dhillon, K. S.** Characterisation of potassium in Red (Alfisols), Black (Vertisols) and Alluvial (Inceptisols and Entisols) soils of India using electro-ultrafiltration 50(3): 185-196

0354 **D'Hoore, J. (reviewer).** Soils of arid regions [book review] 19(1): 79-80

0355 **Diab, M.; Merot, P.; and Curmi, P.** Water movement in a Glossaqualf as measured by two tracers 43(2-3): 143-161

0356 **Dick, W. A.; and Tabatabai, M. A.** Hydrolysis of organic and inorganic phosphorus compounds added to soils 21(3): 175-182

0357 **Dijkerman, J. C.** Pedology as a science: the role of data, models and theories in the study of natural soil systems 11(2): 73-93

0358 **Dijkerman, J. C. (reviewer).** Ökosystemforschung [Ecosystem research; book review] 11(4): 328-329

0359 **Dijkerman, J. C. (reviewer).** Fragile ecosystems; evaluation of research and applications in the neotropics [book review] 15(4): 346

0360 **Dijkerman, J. C.** An Ustult-Aquult-Tropept catena in Sierra Leone, West Africa; II, Land qualities and land evaluation 42(1): 29-49

0361 **Dijkerman, J. C.; and Miedema, R.** An Ustult-Aquult-Tropept catena in Sierra Leone, West Africa; I, Characteristics, genesis and classification 42(1): 1-27

0362 **Dimo, V. N.; and Rozov, N. N.** Facies-provincial subdivisions of soils on a thermal basis 12(1-2): 137-144

0363 **Ding, C. P.; Liu, Z. G.; and Yu, T. R.** Oxidation-reduction regimes in some Oxisols of tropical China 32(4): 287-295

0364 **Dissanayake, C. B.** Mineralogy and chemical composition of some laterites of Sri Lanka 23(2): 147-155

0365 **Dixit, S. P.; Gombeer, R.; and D'Hoore, J.** The electrophoretic mobility of natural clays and their potential mobility within the pedon 13(4): 325-330

0366 **Donkin, M. J.; and Fey, M. V.** Factor analysis of familiar properties of some Natal soils with potential for afforestation 48(3-4): 297-304

0367 **Dormaar, J. F.** Infrared spectra of humic acids from soils formed under grass or trees 1(1): 37-45

0368 **Dormaar, J. F.** Infrared absorption spectra of mineral matter derived from electrodialysed humic acids 1(2): 131-138

Douglas • Ellies

0369 **Douglas, I. (reviewer).** Soil erosion [book review] 23(3): 220-221

0370 **Douglas, J. T.** Macroporosity and permeability of some soil cores from England and France 37(3): 221-231

0371 **Douglass, J. (reviewer).** Soils of the Cumra area, Turkey [book review] 4(2): 155-156

0372 **Drees, L. R.; and Wilding, L. P.** Microradiography as a submicroscopic tool 30(1-4): 65-76

0373 **Drees, L. R.; and Wilding, L. P.** Micromorphic record and interpretations of carbonate forms in the Rolling Plains of Texas 40(1-2): 157-175

0374 **Drijber, R. A.; and Lowe, L. E.** Nature of humus in Andosols under differing vegetation in the Sierra Nevada, Mexico 47(3-4): 221-231

0375 **Drijber, R. A.; and Lowe, L. E.** Bound phenolic acids in humus fractions of Andosols under varying vegetation in the Sierra Nevada, Mexico 48(3-4): 431-442

0376 **Duchaufour, P.** Dynamics of organic matter in soils of temperate regions; its action on pedogenesis 15(1): 31-40

0377 **Duchaufour, P.; and Souchier, B.** Roles of iron and clay in genesis of acid soils under a humid, temperate climate 20(1): 15-26

0378 **Duckham, A. N. (reviewer).** New Zealand atlas [book review] 18(3): 230-231

0379 **Dudal, R. (reviewer).** Selected papers in soil formation and classification [book review] 2(1): 80-82

0380 **Dudal, R. (reviewer).** The Russian School of Soil Cartography and its influence on the soil cartography of the world [book review] 2(4): 321-322

0381 **Dudal, R. (reviewer).** The classification of some British soils according to the comprehensive system of the United States [book review] 14(2): 177-178

0382 **Dudas, M. J.; and Pawluk, S.** Naturally occurring organo-clay complexes of orthic black Chernozems 3(1): 5-17

0383 **Dudas, M. J.; and Pawluk, S.** Chernozem soils of the Alberta parklands 3(1): 19-36

0384 **Dudas, M. J.; and Warren, C. J.** Submicroscopic model of fly ash particles 40(1-2): 101-114

0385 **Easterwood, G. W.; Street, J. J.; Harris, W. G.;** *et al.* Plant-induced smectite neogenesis from the mineral component of a simulated lunar soil 48(1-2): 107-112

0386 **Edil, T. B.; and Krizek, R. J.** Influence of fabric and soil suction on the mechanical behavior of a kaolinitic clay 15(4): 323-341

0387 **Edwards, W. M.; Shipitalo, M. J.; Owens, L. B.;** *et al.* Effect of Lumbricus terrestris L. burrows on hydrology of continuous no-till corn fields 46(1-3): 73-84

0388 **Egashira, K.; and Ohtsubo, M.** Swelling and mineralogy of smectites in paddy soils derived from marine alluvium, Japan 29(2): 119-127

0389 **Ehlers, W.** Measurement and calculation of hydraulic conductivity in horizons of tilled and untilled loess-derived soil, Germany 19(4): 293-306

0390 **Ehlers, W.; Grimme, K.; Baeumer, K.;** *et al.* Flow resistance in soil and plant during field growth of oats 25(1-2): 1-12

0391 **Eisenberg, J.; Dan, J.; and Koyumdjisky, H.** Relationships between moisture penetration and salinity in soils of the northern Negev (Israel) 28(3-4): 313-344

0392 **Ekpete, D. M.** Predicting response to potassium for soils of eastern Nigeria 8(2-3): 177-189

0393 **Ellies, A.** Die Wirkungen von Bodenerhitzungen auf die Benetzungseigenschaften einiger Böden Südchiles [Effects of heat treatment on the wettability of some soils from southern Chile] 29(2): 129-138

0394 **Ellies, A.; and Gayoso, J.** Verdichtung von Proben eines Dystrandepts und Palehumults aus Südchile [Compressibility of Dystrandept and Palehumult samples from southern Chile] 33(3): 227-235

0395 **Ellis, B. G. (reviewer).** Ecological implications of contemporary agriculture [book review] 49(3-4): 338

0396 **Ellis, S.; and Newsome, D.** Chalkland soil formation and erosion on the Yorkshire wolds, northern England 48(1-2): 59-72

0397 **Eltantawy, I. M.** Some factors affecting the interlamellar adsorption of alcohols by 2:1 clay minerals 17(1): 39-45

0398 **Elwell, H. A.; and Stocking, M. A.** Vegetal cover to estimate soil erosion hazard in Rhodesia 15(1): 61-70

0399 **Embrechts, J.; and Tavernier, R.** Soil temperature regimes in Cameroon as defined in soil taxonomy 37(2): 149-155

0400 **Enoch, H.; and Dasberg, S.** The occurrence of high CO_2 concentrations in soil air 6(1): 17-21

0401 **Enwezor, W. O.** Sulphur deficiencies in soils of southeastern Nigeria 15(5): 401-411

0402 **Eschena, T.; and Violante, A.** Interaction between H-bentonite and basic aluminum salts 11(4): 313-321

0403 **Escudey, M.; and Galindo, G.** Potassium-calcium exchange on inorganic clay fractions of Chilean Andepts 41(3-4): 275-285

0404 **Espejo Serrano, R.** The ages and soils of two levels of "Raña" surfaces in central Spain 35(3): 223-239

0405 **Eswaran, H.** Micromorphological indicators of pedogenesis in some tropical soils derived from basalts from Nicaragua 7(1-2): 15-31

0406 **Eswaran, H. (reviewer).** Acid sulphate soils [book review] 13(2): 167-168

0407 **Eswaran, H.; and Heng Yeow Yew.** The weathering of biotite in a profile on gneiss in Malaysia 16(1): 9-20

0408 **Evans, C. V.; and Franzmeier, D. P.** Color index values to represent wetness and aeration in some Indiana soils 41(3-4): 353-368

0409 **Ewald, M.; Berger, P.; and Visser, S. A.** UV-visible absorption and fluorescence properties of fulvic acids of microbial origin as functions of their molecular weights 43(1): 11-20

0410 **Eysvogel, W. F. (reviewer).** Encyclopaedia of hydraulics, soil and foundation engineering [book review] 2(1): 79-80

0411 **Fahey, B. D.** Frost heaving of soils at two locations in southern Ontario, Canada 22(2): 119-126

0412 **Faller, N.; and Herwig, K.** Untersuchungen über die SO_2-Oxydation in verschiedenen Böden [Investigations of SO_2 oxidation in different soils] 3(1): 45-54

0413 **Fanning, D. S. (reviewer).** Proceedings of the Bangkok symposium on acid sulfate soils [book review] 32(1): 71-73

0414 **Farmer, V. C. (reviewer).** Atlas of infrared spectroscopy of clay minerals and their admixtures [book review] 17(2): 166-167

0415 **Farnham, R. S. (reviewer).** Proceedings of the Symposium on peatlands below sea level [book review] 31(4): 355-356

0416 **Fassbender, H. W.; Mueller, L.; and Roldan, J. A.** Physikalisch-chemische Interpretation der Phosphatformen und ihre Beziehungen zur Pflanze in Böden

Fassbender • Fitzpatrick

Zentralamerikas [Physicochemical identification of phosphates in Central American soils and their relationship to plants] 3(2): 147-155

0417 **Fassbender, H. W.; and Seekamp, G.** Fraktionen und Löslichkeit der Schwermetalle Cd, Co, Cr, Cu, Ni und Pb im Boden [Fractionation and solubility of the heavy metals Cd, Co, Cr, Cu, Ni and Pb in soils] 16(1): 55-69

0418 **Fassbender, H. W.; and Seekamp, G.** Erratum; Fraktionen und Löslichkeit der Schwermetalle Cd, Co, Cr, Cu, Ni und Pb im Boden [Erratum; Fractionation and solubility of the heavy metals Cd, Co, Cr, Cu, Ni and Pb in soils] 16(5): 447

0419 **Fedoroff, N.; de Kimpe, C. R.; Page, F.;** *et al.* Essai d'interpretation des transferts sous forme figurée dans les podzols du Québec méridional à partir de l'étude micromorphologique des profils [Interpretation of particle migration in the Podzols of southern Quebec, based on micromorphology of profiles] 26(1-2): 25-45

0420 **Fedorova, N. M.** Thermal and moisture regimes in a soil profile affected by prolonged seasonal freezing (middle taiga subzone, West Siberia) 12(1-2): 111-119

0421 **Fedorova, N. N.; and Yarilova, E. A.** Morphology and genesis of prolonged seasonally frozen soils of western Siberia 7(1-2): 1-13

0422 **Feigenbaum, S.; and Levy, R.** Potassium release in some saline soils of Israel 19(2): 159-168

0423 **Feijtel, T. C.; Jongmans, A. G.; van Breemen, N.;** *et al.* Genesis of two Planosols in the Massif Central, France 43(2-3): 249-269

0424 **Fernandez Caldas, E.; Quantin, P.; and Tejedor Salguero, M. L.** Séquences climatiques de sols dérivés de roches volcaniques aux iles Canaries [Climatic sequences of soils derived from volcanic rocks in the the Canary Islands] 26(1-2): 47-62

0425 **Fewson, C. A. (reviewer).** Humic substances in soil, sediment, and water; geochemistry, isolation, and characterization [book review] 39(2): 159-160

0426 **Fezer, F. (reviewer).** Remote sensing in geomorphology [book review] 20(3-4): 308

0427 **Fields, M. (reviewer).** Instrumental methods for analysis of soils and plant tissue [book review] 8(1): 74-75

0428 **Fiès, J. C.; and Bruand, A.** Textural porosity analysis of a silty Clay soil using pore volume balance estimation, mercury porosimetry and quantified backscattered electron scanning image (BESI) 47(3-4): 209-219

0429 **Filip, Z.; Haider, K.; Beutelspacher, H.;** *et al.* Comparisons of IR-spectra from melanins of microscopic soil fungi, humic acids and model phenol polymers 11(1): 37-52

0430 **Filip, Z.; Semotan, J.; and Kutilek, M.** Thermal and spectrophotometric analysis of some fungal melanins and soil humic compounds 15(2): 131-142

0431 **Fine, P.; Singer, M. J.; La Ven, R.;** *et al.* Role of pedogenesis in distribution of magnetic susceptibility in two California chronosequences 44(4): 287-306

0432 **Finkl, C. W., Jr.; and Gilkes, R. J.** Relationships between micromorphological soil features and known stratigraphic layers in Western Australia 15(3): 179-208

0433 **Firman, J. B.** Paleopedology applied to land use studies in southern Australia 22(2): 105-117

0434 **Fisher, G. C.; and Yam, O.** Iron mobilization by heathland plant extracts 32(4): 339-345

0435 **Fisher, P. F.** Pedogenesis within the archaeological landscape at South Lodge Camp, Wiltshire, England 29(2): 93-105

0436 **Fisher, R. F. (reviewer).** Soils; an introduction [book review] 44(4): 335

0437 **FitzPatrick, E. A.** Soil nomenclature and classification 1(2): 91-105

0438 **Fitzpatrick, R. W.; and Schwertmann, U.** Al-substituted goethite; an indicator of pedogenic and other weathering environments in South Africa 27(4): 335-347

0439 **Fleming, P. M. (reviewer).** Environment impact assessment, principles and procedures [book review] 25(3-4): 294-296

0440 **Flühler, H.** In Memoriam; Felix E. Richard 35(1): 67

0441 **Fölster, H.; Kalk, E.; and Moshrefi, N.** Complex pedogenesis of ferrallitic savanna soils in South Sudan 6(2): 135-149

0442 **Fordham, A. W.; Merry, R. H.; and Norrish, K.** Occurrence of microcrystalline goethite in an unusual fibrous form 34(2): 135-148

0443 **Förster, R.** A multicomponent transport model 38(1-4): 261-278

0444 **Fox, R. L.** Some highly weathered soils of Puerto Rico; 3, Chemical properties 27(1-2): 139-176

0445 **Frankena, H. J. (reviewer).** Nitrogen and grassland; proceedings of the First general meeting of the European Grassland Federation [book review] 1(1): 77-78

0446 **Franz, H.** Die Geschichte der Bodenzoologie und ihre Einbeziehung in die Bodenkundliche Forschung [The history of soil zoology and its place in soil science research] 12(4): 299-309

0447 **Frei, E.** Mikromorphologische und chemische Untersuchungen eines entbasten Parabraunerdeprofils des schweizerischen Mittellandes und Deutung seiner Entwicklungstendenz [Micromorphology, chemistry, and development of a skinned brown-earth profile in central Switzerland and an interpretation of its development] 1(3-4): 289-298

0448 **Frei, E.** Andepts in some high mountains of East Africa 21(2): 119-131

0449 **Frenkel, H.; Gerstl, Z.; and van de Veen, J. R.** Determination of gypsum and cation exchange capacity in arid soils by a resin method 39(1): 67-77

0450 **Fridland, V. M.** Structure of the soil mantle 12(1-2): 35-41

0451 **Frisby, J. C. (reviewer).** Soil improvement by preloading [book review] 39(2): 160-161

0452 **Fujitake, N.; Azuma, J.; Hamasaki, T.;** *et al.* Determination of chrysotalunin, a predominant soil anthraquinone pigment, by high-performance liquid chromatography 48(1-2): 83-91

0453 **Galicia, H. F.; Campbell, G. D.; and Schindler, P. W.** Distribution of Cd(II) between (K,H)-montmorillonite and an aqueous solution of 0.10 M KNO_3 at pH 4.5 and 298 K; comparison between potentiometric and miscible displacement experiments 44(2-3): 189-202

0454 **Galindo, G. G.; Olguin, C.; and Schalscha, E. B.** Phosphate-sorption capacity of clay fractions of soils derived from volcanic ash 7(3-4): 225-232

0455 **Gallichand, J.; Lagacé, R.; and Caillier, M.** Thin-section study of soil materials near perforations in corrugated subsurface drains 43(4): 337-347

0456 **Galstian, A. S.** Enzymatic activity of soils 12(1-2): 43-48

0457 **Geng, G. Q.; and Coote, D. R.** The residual effect of soil loss on the chemical and physical quality of three soils 48(3-4): 415-429

0458 **Gerasimov, I. P.** The age of Recent soils 12(1-2): 17-25

0459 **Gessa, C.** Interrelationships of a third buffer range with pH-dependent and permanent charges in bentonite 10(4): 299-306

0460 **Gessa, C.; Palmieri, F.; and Franco, M. A.** Potentiometric titration of methylated homoionic bentonites 21(2): 161-173

0461 **Geyger, E.** Die Strukturbildungen in den Humushorizonten von Böden der Hohen Sierra Nevada (Spanien) [Structure formation in the humus layers of soils in the high Sierra Nevada, Spain] 1(3-4): 229-248

Ghabru • Greene-Kelly

0462 **Ghabru, S. K.; Mermut, A. R.; and St. Arnaud, R. J.** The nature of weathered biotite in sand-sized fractions of Gray Luvisols (Boralfs) in Saskatchewan, Canada 40(1-2): 65-82

0463 **Gheyi, H. R.; and van Bladel, R.** Calcium-sodium exchange in some calcareous soils and a montmorillonite clay as compared with predictions based on double layer theory 16(2): 159-169

0464 **Ghosh, K.; and Schnitzer, M.** A scanning electron microscopic study of effects of adding neutral electrolytes to solutions of humic substances 28(1): 53-56

0465 **Giani, L.; and Giani, D.** Characteristics of a marshland soil built up from marine and peat material 47(1-2): 151-157

0466 **Gilkes, R. J.; and Little, I. P.** Weathering of chlorite and some associations of trace elements in Permian phyllites in Southeast Queensland 7(3-4): 233-247

0467 **Gillott, J. E. (reviewer).** Proceedings of the International clay conference, 1975 [book review] 16(5): 444-445

0468 **Giltrap, D. J.** Computer production of soil maps; I, Production of grid maps by interpolation 29(4): 295-311

0469 **Giltrap, D. J.** Computer production of soil maps; II, Interactive map display 29(4): 313-325

0470 **Gish, T. J.; Zhuang, W.; Helling, C. S.;** *et al.* Chemical transport under no-till field conditions 38(1-4): 251-259

0471 **Glasby, G. P.; and McKenzie, R. M.** Limitations of crystal field theory applied to sedimentary systems [discussion and reply] 13(4): 363-372

0472 **Glazovskaya, M. A.; and Parfenova, E. I.** Biogeochemical factors in the formation of Terra rossa in the southern Crimea 12(1-2): 57-82

0473 **Glogoczowski, J. J. (reviewer).** Non-marine organic geochemistry [book review] 6(3): 229-230

0474 **Goh, K. M.** Amino acid levels as indicators of Paleosols in New Zealand soil profiles 7(1-2): 33-47

0475 **Goh, K. M.; and Pullar, W. A.** Radiocarbon dating techniques for tephras in central North Island, New Zealand 18(4): 265-278

0476 **Goh, T. B.; Dudas, M. J.; Pawluk, S.;** *et al.* Physical, chemical and micromorphological effects of nitrogen fertilizers on Chernozemic soils 40(1-2): 177-192

0477 **Gold, H. J. (reviewer).** Pattern analysis in agricultural science [book review] 20(3-4): 308-310

0478 **Golden, D. C.; Chen, C. C.; Dixon, J. B.;** *et al.* Pseudomorphic replacement of manganese oxides by iron oxide minerals 42(3-4): 199-211

0479 **González-Vila, F. J.; Lüdemann, H. D.; and Martín, F.** ^{13}C-NMR structural features of soil humic acids and their methylated, hydrolyzed and extracted derivatives 31(1): 3-15

0480 **Goss, D. W.; Smith, S. J.; and Stewart, B. A.** Movement of added clay through calcareous materials 9(2): 97-103

0481 **Gradusov, B. P.** A tentative study of clay mineral distribution in soils of the world 12(1-2): 49-55

0482 **Green, C. P.; and Eden, M. J.** Gibbsite in the weathered Dartmoor granite 6(4): 315-317

0483 **Green, P.** Recognition of sedimentary characteristics in soils by size-shape analysis 11(3): 181-193

0484 **Greene-Kelly, R.** Shrinkage of Clay soils: a statistical correlation with other soil properties 11(4): 243-257

0485 **Gregorich, E. G.; and Anderson, D. W.** Effects of cultivation and erosion on soils of four toposequences in the Canadian prairies 36(3-4): 343-354

0486 **Grieve, I. C.** Variations in chemical composition of the soil solution over a four-year period at an upland site in Southwest Scotland 46(4): 351-362

0487 **Griffith, M. A.** A pedological investigation of an archaeological site in Ontario, Canada; I, An examination of the soils in and adjacent to a former village 24(4): 327-336

0488 **Griffith, M. A.** A pedological investigation of an archaeological site in Ontario, Canada; II, Use of chemical data to discriminate features of the Benson Site 25(1-2): 27-34

0489 **Griffith, S. M.; Silver, J.; and Schnitzer, M.** Hydrazine derivatives at Fe^{3+} sites in humic materials 23(4): 299-302

0490 **Grim, R. E. (reviewer).** Proceedings of the 6th International clay conference, 1978 [book review] 23(3): 221-223

0491 **Groenevelt, P. H.** The use of a dual gamma scanner to observe the shrinkage of clay 11(4): 287-295

0492 **Groenevelt, P. H.; Kay, B. D.; and Grant, C. D.** Physical assessment of a soil with respect to rooting potential 34(2): 101-114

0493 **Guidi, G.; Pagliai, M.; and Petruzzelli, G.** Quantitative size evaluation of cracks and clods in artificially dried soil samples 20(2): 105-113

0494 **Guignard, J. (reviewer).** Asbestos in the natural environment [book review] 50(3): 266-267

0495 **Guillet, B.; Rouiller, J.; and Souchier, B.** Podzolization and clay migration in Spodosols of eastern France 14(3): 223-245

0496 **Gulisashvili, V.; and Urushadze, T. (reviewers).** Introduction to the study of subtropical and tropical soils [book review] 8(1): 76-79

0497 **Gumuzzio, J.; Batlle, J.; and Casas, J.** Mineralogical composition of salt efflorescences in a Typic Salorthid, Spain 28(1): 39-51

0498 **Gupta, R. K.; and Singh, T. A.** Laboratory study of phosphorus forms and test procedures on soils under aerobic and anaerobic conditions 14(3): 255-260

0499 **Guzel, N.; and Wilson, M. J.** Clay-mineral studies on a soil chronosequence in southern Turkey 25(1-2): 113-129

0500 **Haans, J. C. F. M.; and Westerveld, G. J. W.** The application of soil survey in the Netherlands 4(3): 279-309

0501 **Haantjens, H. A.** Procedures for computer storage of soil and landscape data from Papua New Guinea; III, Input of soil site characteristics 13(2): 129-139

0502 **Haantjens, H. A.; and Bleeker, P.** Procedures for computer storage of soil and landscape data from Papua New Guinea; II, Input of soil capability and soil classification data 13(2): 115-128

0503 **Haantjens, H. A.; Bleeker, P.; and Cook, L. G. N.** Procedures for computer storage of soil and landscape data from Papua New Guinea; I, General introduction and input of descriptive soil observation data 13(2): 105-113

0504 **Hadas, A.; Hadas, A.; and Quinton, J.** Long-term effects of high application rates of NPK fertilizer on tensile strength and water stability of the soil structure 47(3-4): 381-392

0505 **Haidouti, C.** Fluoride distribution in soils in the vicinity of a point emission source in Greece 49(1-2): 129-138

0506 **Haidouti, C.; Skarlou, V.; and Tsouloucha, F.** Mercury and contents of some Greek soils 35(3): 251-256

Hajrasuliha • Hartge

0507 **Hajrasuliha, S.; Cassel, D. K.; and Rezainejad, Y.** Estimation of chloride ion concentration in saline soils from measurement of electrical conductivity of saturated soil extracts 49(1-2): 117-127

0508 **Hamdi, H.; Mitwally, S. E.; and Guindi, B.** A comparative study of hydraulic conductivity in the Alluvial soils of Egypt 2(1): 27-32

0509 **Hamid, K. S.; and Mustafa, M. A.** Dispersion as an index of relative hydraulic conductivity in salt-affected soils of the Sudan 14(2): 107-114

0510 **Hanks, R. J. (reviewer).** Simulation of transport processes in soils [book review] 9(2): 150

0511 **Hanks, R. J. (reviewer).** Simulation of accumulation and leaching in soils [book review] 14(4): 344

0512 **Hanna, F. S.; and Beckmann, H.** Clay minerals of some soils of the Nile Valley in Egypt 14(2): 159-170

0513 **Hantschel, R.; Kaupenjohann, M.; Horn, R.;** *et al.* Ecologically important differences between equilibrium and percolation soil extracts, Bavaria 43(2-3): 213-227

0514 **Haque, I.; and Walmsley, D.** Adsorption and desorption of sulphate in some soils of the West Indies 9(4): 269-278

0515 **Harden, J. W.** A quantitative index of soil development from field descriptions; examples from a chronosequence in Central California 28(1): 1-28

0516 **Harden, J. W.** Genetic interpretations of elemental and chemical differences in a soil chronosequence, California 43(2-3): 179-193

0517 **Harmsen, K.; and Bolt, G. H.** Movement of ions in soil; I, Ion exchange and precipitation 28(2): 85-101

0518 **Harmsen, K.; and Bolt, G. H.** Movement of ions in soil; II, Ion exchange and dissolution 28(2): 103-116

0519 **Harris, C.; and Ellis, S.** Micromorphology of soils in soliflucted materials, Okstindan, Northern Norway 23(1): 11-29

0520 **Harris, S.** Index of structure; evaluation of a modified method of determining aggregate stability 6(3): 155-162

0521 **Harrison, R.; Swift, R. S.; Campbell, A. S.;** *et al.* A study of two soil development sequences located in a montane area of Canterbury, New Zealand; I, Clay mineralogy and cation exchange properties 47(3-4): 261-282

0522 **Harrison, R.; Swift, R. S.; and Tonkin, P. J.** A study of two soil development sequences located in a montane area of Canterbury, New Zealand; II, Soil development indices based on major element analyses 48(1-2): 163-177

0523 **Harsh, J. B.; and Doner, H. E.** The nature and stability of aluminum hydroxide precipitated on Wyoming montmorillonite 36(1): 45-56

0524 **Hartge, K. H.; and Bailly, F.** Die Porenkontinuität bei unregelmässig verteilten Wasserleitfähigkeitswerten von Stechzylinderproben aus Lössböden [Pore continuity, within irregularly shaped frequency distributions of hydraulic conductivity, as measured on core samples of loess soils] 4(2): 139-149

0525 **Hartge, K. H.; and Ellies, A.** Mechanismen der Aggregatstabilisierung in einem Tonboden mittels Branntkalk [Mechanism of aggregate stabilization in clay soils, by means of burnt lime] 17(1): 47-55

0526 **Hartge, K. H.; Ellies, A.; Nissen, J.;** *et al.* Anisotropy of penetration resistance in four soil profiles in Chile 20(1): 53-61

0527 **Hartge, K. H.; and Rahte, I.** Schrumpf- und Scherrisse; Labormessungen [Shrinkage and shear cracks; laboratory studies] 31(4): 325-336

0528 **Hartmann, R.; and de Boodt, M.** The influence of the moisture content, texture and organic matter on the aggregation of sandy and loamy soils 11(1): 53-62

0529 **Hatano, R.; and Sakuma, T.** A plate model for solute transport through aggregated soil columns; I, Theoretical description 50(1-2): 13-23

0530 **Hatano, R.; and Sakuma, T.** A plate model for solute transport through aggregated soil columns; II, Experimental results and application of the model 50(1-2): 25-36

0531 **Hauhs, M.** A model of ion transport through a forested catchment at Lange Bramke, West Germany 38(1-4): 97-113

0532 **Hayes, M. H. B.; Stacey, M.; and Standley, J.** Studies on the fractionation of humification products of ryegrass in sand columns 7(1-2): 105-111

0533 **Hayes, M. H. B.; Swift, R. S.; Wardle, R. E.;** *et al.* Humic materials from an organic soil; a comparison of extractants and of properties of extracts 13(3): 231-245

0534 **Haynes, R. J.; and Swift, R. S.** Amounts and forms of micronutrient cations in a group of loessial grassland soils of New Zealand 33(1): 53-62

0535 **Haynes, R. J.; and Swift, R. S.** Effects of air-drying on the adsorption and desorption of phosphate and levels of extractable phosphate in a group of Acid soils, New Zealand 35(2): 145-157

0536 **Haynes, R. J.; and Swift, R. S.** Concentrations of extractable Cu, Zn, Fe and Mn in a group of soils as influenced by air- and oven-drying and rewetting 49(3-4): 319-333

0537 **Hazelden, J.; Beckett, P. H.; and Jarvis, M. G.** A computer-compatible proforma for field soil records 15(1): 21-29

0538 **Hazlett, P. W.; Rutherford, G. K.; and Van Loon, G. W.** Characteristics of soil profiles afected by smelting of nickel and copper at Coniston, Ontario, Canada 32(4): 273-285

0539 **Heakal, M. S.; and Al-Awajy, M. H.** Long-term effects of irrigation and date-palm production on Torripsamments, Saudi Arabia 44(4): 261-273

0540 **Heath, R. T. (reviewer).** Cycling of carbon, nitrogen, sulfur and phosphorus in terrestrial and aquatic ecosystems [book review] 33(2): 169

0541 **Helbig, B.; Hartung, J.; Klöcking, R.;** *et al.* Reduktiver Abbau einer Huminsäure-Modellsubstanz; Nachweis der Abbauprodukte mittels Chromatographie [Reductive decomposition of a humic acid model; detection of degradation products by chromatography] 36(3-4): 255-261

0542 **Helmy, A. K.; and Peinemann, N.** Evaluation of the cation exchange constant 6(1): 69-73

0543 **Herath, J. W.; and Grimshaw, R. W.** A general evaluation of the frequency distribution of clay and associated minerals in the Alluvial soils of Ceylon 5(2): 119-130

0544 **Herbillon, A. J.; and Makumbi, M. N.** Weathering of chlorite in a soil derived from a chloritoschist under humid tropical conditions 13(2): 89-104

0545 **Hern, J. A.; Rutherford, G. K.; and Van Loon, G. W.** Effects of simulated acid rain on the cation exchange capacities of two podzolic soils, Canada 42(2): 105-114

0546 **Hernández, T.; Moreno, J. I.; and Costa, F.** Molecular size evaluation by gel filtration of humic acids from two sludges and from leonhardite 45(1): 83-88

0547 **Hernando, V.** In memoriam; Prof. José Maria Albareda Herrara (1902-1967) 1(1): 79

0548 **Herriman, R. C.; and Parsons, R. B.** Land use and management of soils with relict duripans, southwestern Oregon (U. S.A.) 22(2): 99-103

0549 **Herzer, J.; and Kinzelbach, W.** Coupling of transport and chemical processes in numerical transport models 44(2-3): 115-127

Higashi • Ingestad

0550 **Higashi, T.** Characterization of Al/Fe-humus complexes in Dystrandepts through comparison with synthetic forms 31(4): 277-288

0551 **Higashi, T.; de Coninck, F.; and Gelaude, F.** Characterization of some spodic horizons of the Campine (Belgium) with dithionite-citrate, pyrophosphate and sodium hydroxide-tetraborate 25(1-2): 131-142

0552 **Higashi, T.; and Shinagawa, A.** Comparison of sodium hydroxide-tetraborate and sodium pyrophosphate as extractants of Al/Fe-humus "complexes" in Dystrandepts, Japan 25(3-4): 285-292

0553 **Hole, F. D.** An approach to landscape analysis with emphasis on soils 21(1): 1-23

0554 **Hole, F. D.** Effects of animals on soil 25(1-2): 75-112

0555 **Holford, I. C. R.; and Mattingly, G. E. G.** Surface areas of calcium carbonate in soils 13(3): 247-255

0556 **Holford, I. C. R.; and Mattingly, G. E. G.** Phosphate sorption by Jurassic oolitic limestones 13(3): 257-264

0557 **Hollis, J. M.; Jones, R. J. A.; and Palmer, R. C.** The effects of organic matter and particle size on the water-retention properties of some soils in the West Midlands of England 17(3): 225-238

0558 **Hopkins, D. M.** Time-stratigraphic nomenclature for the Holocene epoch 14(1): 2

0559 **Hoque, M. S.; and Sotakova, S.** Effects of incubation on forms of phosphorus added to an acid Brown forest soil in Czechoslovakia 24(4): 309-315

0560 **Hornberger, G. M.; Beven, K. J.; and Germann, P. F.** Inferences about solute transport in macroporous forest soils from time series models 46(1-3): 249-262

0561 **Huang, P. M.; Wang, M. K.; Wu, M. H.;** *et al.* Sesquioxidic components of selected Taiwan soils 18(4): 251-263

0562 **Huang, W. H. (reviewer).** Genesis and solution chemistry of acid sulfate soils in Thailand [book review] 18(3): 232

0563 **Huddleston, J. H.** Development and use of soil productivity ratings in the United States 32(4): 297-317

0564 **Huggett, R. J.** Soil landscape systems; a model of soil genesis 13(1): 1-22

0565 **Hughes, J. C.** Crystallinity of kaolin minerals and their weathering sequence in some soils from Nigeria, Brazil and Colombia 24(4): 317-325

0566 **Huizing, H. G. J.** A reconnaissance study of the mineralogy of sand fractions from East Pakistan sediments and soils 6(2): 109-133

0567 **Hunt, P. A.; Mitchell, P. B.; and Paton, T. R.** "Laterite profiles" and "lateritic ironstones" on the Hawkesbury Sandstone, Australia 19(2): 105-121

0568 **Hunter, C. R.; and Busacca, A. J.** Pedogenesis and surface charge of some Andic soils in Washington, U. S.A. 39(3): 249-265

0569 **Hussain, M. S.; Amadi, T. H.; and Sulaiman, M. S.** Characteristics of soils of a toposequence in northeastern Iraq 33(1): 63-82

0570 **Ildefonse, P.** Mineral facies developed by weathering of a meta-gabbro, Loire-Atlantique (France) 24(3): 257-273

0571 **Imeson, A. C.; and Vis, M.** Assessing soil aggregate stability by water-drop impact and ultrasonic dispersion 34(3-4): 185-200

0572 **Ingestad, T.** New concepts on soil fertility and plant nutrition as illustrated by research on forest trees and stands 40(3-4): 237-252

0573 **Iñiguez, J.; and Val, R. M.** Evaluation of phosphorus sorption by an allophanic soil 33(2): 119-134

0574 **Inkson, R. H. E. (reviewer).** Information systems for soil and related data [book review] 27(4): 349

0575 **Isbell, R. F. (reviewer).** Inventory and evaluation of tropical forest land; guidelines for a common methodology [book review] 49(3-4): 336-337

0576 **Isbell, R. F.; and Field, J. B. F.** A comparison of some red and yellow earths in tropical Queensland and Northeast Brazil 18(3): 155-175

0577 **Ishizuka, Y. (reviewer).** Nutritional disorders of the rice plant in Asia [book review] 6(3): 231-232

0578 **Ishizuka, Y. (reviewer).** Rice; soil, water, land [book review] 24(4): 364

0579 **Ishizuka, Y. (reviewer).** Ando soils in Japan [book review] 41(3-4): 375

0580 **Islam, A.; and Mandal, R.** Amounts and mineralization of organic phosphorus compounds and derivatives in some surface soils of Bangladesh 17(1): 57-68

0581 **Ivanov, D. N.; and Lerner, L. A.** Use of spectral methods in soil science and agrochemistry in the Soviet Union 12(1-2): 163-173

0582 **Ivarson, K. C.; and Hallberg, R. O.** Formation of mackinawite by the microbial reduction of jarosite and its application to tidal sediments 16(1): 1-7

0583 **Jackson, M. L. (reviewer).** Clay in engineering geology [book review] 3(2): 179-181

0584 **Jackson, M. L.; Gibbons, F. R.; Syers, J. K.;** *et al.* Eolian influence on soils developed in a chronosequence of basalts of Victoria, Australia 8(2-3): 147-163

0585 **Jager, A.; Boersma, O.; and Bisdom, E. B. A.** The characterization of microporosity in a ploughpan by submicroscopic and Quantimet techniques 30(1-4): 277-283

0586 **Jaillard, B.; Guyon, A.; and Maurin, A. F.** Structure and composition of calcified roots, and their identification in Calcareous soils 50(3): 197-210

0587 **Jakobsen, B. H.** Evidence for translocations into the B horizon of a subarctic Podzol in Greenland 45(1): 3-17

0588 **Jamagne, M. (reviewer).** Sols; paysages; amenagements [Soils; landscapes; management; book review] 9(2): 151

0589 **Jamagne, M. (reviewer).** Structure et fertilité de sols limoneux sur fermes mecanisées [Structure and fertility of muddy soils on mechanized farms; book review] 22(4): 338-339

0590 **Jamagne, M.; de Coninck, F.; Robert, M.;** *et al.* Mineralogy of clay fractions of some soils on loess in northern France 33(4): 319-342

0591 **James, B. R. (reviewer).** Environmental management in agriculture; European perspectives [book review] 47(1-2): 185-186

0592 **Janczuk, B.; Bialopiotrowicz, T.; Kliszcz, A.;** *et al.* Influence of polyacrylamide on the surface free energy and wettability of a Chernozem soil 50(3): 173-184

0593 **Janssen, B. H.; Guiking, F. C. T.; van der Eijk, D.;** *et al.* A system for quantitative evaluation of the fertility of tropical soils (QUEFTS) 46(4): 299-318

0594 **Jardine, P. M.; Wilson, G. V.; and Luxmoore, R. J.** Unsaturated solute transport through a forest soil during rain storm events 46(1-3): 103-118

0595 **Jauzein, M.; Andre, C.; Margrita, R.;** *et al.* A flexible computer code for modelling transport in porous media; impact 44(2-3): 95-113

0596 **Jeanroy, E.; and Guillet, B.** The occurrence of suspended ferruginous particles in pyrophosphate extracts of some soil horizons 26(1-2): 95-105

Jeanroy • Kallianou

0597 **Jeanroy, E.; Rajot, J. L.; Pillon, P.;** *et al.* Differential dissolution of hematite and goethite in dithionite and its implication on soil yellowing 50(1-2): 79-94

0598 **Jeanson, C.** Migrations chimiques dans un sol artificiel; étude micromorphologique [Micromorphological study of chemical migration in artificial soil] 1(3-4): 325-345

0599 **Jessup, R. W.; and Wright, M. J.** Cenozoic sediments, soils and climates at Whyalla, South Australia 6(4): 275-308

0600 **Jim, C. Y.** Experimental study of soil microfabrics induced by anisotropic stresses of confined swelling and shrinking 37(2): 91-112

0601 **Jim, C. Y.** A classification of soil microfabrics 41(3-4): 315-325

0602 **Jocteur Monrozier, L.; Ladd, J. N.; Fitzpatrick, R. W.;** *et al.* Components and microbial biomass content of size fractions in soils of contrasting aggregation 50(1-2): 37-62

0603 **Johnson, K. G. (reviewer).** Depositional sedimentary environments, with reference to terrigenous clastics [book review] 14(2): 175-176

0604 **Johnson, N. M. (reviewer).** Coupling of land and water systems [book review] 16(4): 346-348

0605 **Jones, K. C.; Davies, B. E.; and Peterson, P. J.** Silver in Welsh soils; physical and chemical distribution studies 37(2): 157-174

0606 **Jones, K. C.; Peterson, P. J.; and Davies, B. E.** Extraction of silver from soils and its determination by atomic absorption spectrometry 33(2): 157-168

0607 **Jones, R. C.; Hudnall, W. H.; and Sakai, W. S.** Some highly weathered soils of Puerto Rico; 2, Mineralogy 27(1-2): 75-137

0608 **Jongerius, A. (editor).** Micromorphology of soils 1(3-4): 163-390

0609 **Jongerius, A.** Some morphological aspects of regrouping phenomena in Dutch soils 4(3): 311-331

0610 **Jongerius, A.** In Memoriam Prof. Dr. Walter L. Kubiena (1897–1970) 5(4): 249-250

0611 **Jongerius, A.; Schoonderbeek, D.; Jager, A.;** *et al.* Electro-optical soil porosity investigation by means of Quantimet-B equipment 7(3-4): 177-198

0612 **Jongmans, A. G.; Feijtel, T. C. J.; Miedema, R.;** *et al.* Soil formation in a Quaternary terrace sequence of the Allier, Limagne, France; macro- and micromorphology, particle size distribution, chemistry 49(3-4): 215-239

0613 **Jorgensen, P. (reviewer).** Mineralogy of soil clays and clay minerals [book review] 15(4): 343-344

0614 **Jouaffre, D.; Bruckert, S.; Williams, A. F.;** *et al.* Rubéfaction post-wurmienne en climat montagnard humide jurassien; rôle du pédoclimat et actualité du processus [Post-Wurmian rubefaction in a humid montane climate, Jura, France; role of pedoclimate and current processes] 50(3): 239-257

0615 **Judson, S. (reviewer).** Soil erosion [book review] 33(1): 85-86

0616 **Juo, A. S. R.; Moormann, F. R.; and Maduakor, H. O.** Forms and pedogenetic distribution of extractable iron and aluminum in selected soils of Nigeria 11(3): 167-179

0617 **Kaemmerer, M.; and Revel, J. C.** Calcium carbonate accumulation in deep strata and calcrete in Quaternary alluvial formations of Morocco 48(1-2): 43-57

0618 **Kallianou, C. S.; and Yassoglou, N. J.** Bonding and oxidation state of iron in humic complexes extracted from some Greek soils 35(3): 209-221

0619 **Kallianou, C. S.; and Yassoglou, N. J.** Analytical and physical characteristics of humic substances in relation to vegetation on three Alfisols in Greece 36(3-4): 293-305

0620 **Kallianou, C. S.; and Yassoglou, N. J.** Erratum; Bonding and oxidation state of iron in humic complexes extracted from some Greek soils 36(3-4): 355

0621 **Kämpf, N.; and Schwertmann, U.** Goethite and hematite in a climosequence in southern Brazil and their application in classification of kaolinitic soils 29(1): 27-39

0622 **Kamphorst, A. (reviewer).** Physical aspects of soil water and salts in ecosystems; ecological studies, 4 [book review] 11(4): 330-331

0623 **Kanabo, I. A. K.; Halm, A. T.; and Obeng, H. B.** Phosphorus adsorption by surface samples of five ironpan soils of Ghana 20(3-4): 299-306

0624 **Karamanos, R. E.; and Turner, R. C.** Potassium-supplying power of some northern-Greece soils in relation to clay-mineral composition 17(3): 209-218

0625 **Karavayeva, N. A.** Major kinds of Gley soils of the tundra and northern taiga regions in the Soviet Union 12(1-2): 91-99

0626 **Karim, M.; Ahmed, F.; and Islam, A.** A study of phosphate adsorption by four Bangladesh soils 9(3): 221-227

0627 **Karim, M.; Rahman, S. M.; Ahmed, F.;** *et al.* Studies on the efficiency of nitrogen and phosphorus fertilizer utilization by jute under various methods and times of application using isotopes 7(1-2): 121-131

0628 **Karpachevskiy, L. O.; and Orekhova, N. P.** The use of resins in the investigation of dynamics of nutrients in soils 12(1-2): 157-161

0629 **Kastner, M. (reviewer).** Silcrete in Australia [book review] 25(3-4): 293

0630 **Kato, Y.; and Matsui, T.** Some applications of paleopedology in Japan 22(1): 45-60

0631 **Katyal, J. C.; and Sharma, B. D.** DTPA-extractable and total Zn, Cu, Mn, and Fe in Indian soils and their association with some soil properties 49(1-2): 165-179

0632 **Kaup, B. S.; and Carter, B. J.** Determining Ti source and distribution within a Paleustalf by micromorphology, submicroscopy and elemental analysis 40(1-2): 141-156

0633 **Kavanagh, B. V.; and Quirk, J. P.** The adsorption of polycationic Fe (III) species on Na-illite 21(3): 225-238

0634 **Keech, M. A. (reviewer).** Handbook on soil resistivity surveying; interpretation of data of earthen archaeological sites [book review] 33(1): 83

0635 **Keilen, K.; Stahr, K.; Goltz, H. v. d.;** *et al.* Zur Pedochemie des Berylliums; Untersuchungen einer Bodengesellschaft im Gebiet des Bärhaldegranits (Südschwarzwald) [On the pedochemistry of beryllium; investigation of a soil sequence in the Baerhalde Granite area, southern Black Forest] 17(4): 315-329

0636 **Kellogg, C. E. (reviewer).** Reclamation and cultivation of peat-bog soils [book review] 3(3): 259

0637 **Kellogg, C. E.** Soil genesis, classification, and cartography: 1924-1974 12(4): 345-360

0638 **Kemp, R. A.** Genesis and environmental significance of a buried middle Pleistocene soil in eastern England 41(1-2): 49-77

0639 **Kemp, R. A.; and McIntosh, P. D.** Genesis of a texturally banded soil in Southland, New Zealand 45(1): 65-81

0640 **Kemper, W. D. (reviewer).** Modification of soil structure [book review] 23(3): 226-227

0641 **Kempers, A. J.** Determination of sub-microquantities of ammonium and nitrates in soils with phenol, sodiumnitroprusside and hypochlorite 12(3): 201-206

0642 **Khalaf, K. Y.; MacCarthy, P.; and Gilbert, T. W.** Application of thermometric titrations to the study of soil organic matter; I, Simple polyelectrolytes 14(4): 319-329

Khalaf • Knight

0643 **Khalaf, K. Y.; MacCarthy, P.; and Gilbert, T. W.** Application of thermometric titrations to the study of soil organic matter; II, Humic acids 14(4): 331-340

0644 **Khalifa, E. M.; Reda, M.; and Al-Awajy, M. H.** Changes in soil fabric of Torripsamments under irrigated date palms, Saudi Arabia 44(4): 307-317

0645 **Khan, S. U.** Humic acid fraction of a gray wooded soil as influenced by cropping systems and fertilizers 3(3): 247-254

0646 **Khan, S. U.; and Schnitzer, M.** Permanganate oxidation of humic acids extracted from a gray wooded soil under different cropping systems and fertilizer treatments 7(1-2): 113-120

0647 **Khandal, R. K.; Thoisy-Dur, J. C.; and Terce, M.** Adsorption characteristics of flumequine on kaolinitic clay 50(1-2): 95-107

0648 **Khanna, P. K.; and Mishra, B.** Behavior of manganese in some acid soils in western Germany in relation to pH and air-drying 20(3-4): 289-297

0649 **Khawlie, M. R. (reviewer).** Formation, classification and land evaluation of soils in Mediterranean areas, with special reference to the southern Lebanon [book review] 14(2): 172-173

0650 **Khera, A. K.; and Steinnes, E.** Determination of aluminium, manganese and sodium in soil solutions by neutron activation analysis 5(4): 251-254

0651 **Kickuth, R.; and Tubail, K.** Defektverbindung und Fremdionen-Dotierung bei der Ausfällung von Eisen(II)- und Eisen(III)-Phosphaten [Defective bonds and foreign-ion occurrences in the precipitation of iron(II) and iron(III) phosphates] 16(3): 219-234

0652 **Kickuth, R.; and Tubail, K.** Fällungsprodukte im System Eisen(II)-Sulphat und Trinatrium-Phosphat im pH-Bereich von 2,5 bis 13,0 [Precipitation products in the Fe(II) sulfate and trinatrium phosphate system, in the pH range of 2.5-13] 16(5): 433-442

0653 **Kimber, R. W. L.; and Searle, P. L.** Pyrolysis gas chromatography of soil organic matter; 1, Introduction and methodology 4(1): 47-55

0654 **Kimber, R. W. L.; and Searle, P. L.** Pyrolysis gas chromatography of soil organic matter; 2, The effect of extractant and soil history on the yields of products from pyrolysis of humic acids 4(1): 57-71

0655 **King, R. B.** A parametric approach to land system classification 4(1): 37-46

0656 **Kleiss, H. J. (reviewer).** Soil moisture and temperature regimes of South America [book review] 31(1): 71

0657 **Kleiss, H. J. (reviewer).** Guidelines for using soil taxonomy in the names of soil map units [book review] 43(1): 76-77

0658 **Klengel, K. J. (reviewer).** Effects of temperature and heat on engineering behaviour of soils [book review] 4(2): 153-154

0659 **Kline, S. W.; and Mose, D. G.** Indoor radon; prediction from aeroradioactivity generated by surficial materials 47(3-4): 243-260

0660 **Kluitenberg, G. J.; and Horton, R.** Effect of solute application method on preferential transport of solutes in soil 46(1-3): 283-297

0661 **Knepper, D. H. (reviewer).** Remote sensing for geological mapping [book review] 37(3): 256-257

0662 **Knight, M. J.** Structural analysis and mechanical origins of gilgai at Boorook, Victoria, Australia 23(4): 245-283

0663 **Kodama, H.; and Schnitzer, M.** Effect of fulvic acid on the crystallization of Fe(III) oxides 19(4): 279-291

0664 **Kodama, H.; and Schnitzer, M.** Effect of fulvic acid on the crystallization of aluminum hydroxides 24(3): 195-205

0665 **Kögel, I.; and Zech, W.** The phenolic acid content of cashew leaves (Anacardium occidentale L.) and of the associated humus layer, Senegal 35(2): 119-125

0666 **Kononova, M. M.; and Alexandrova, I. V.** Formation of humic acids during plant residue humification and their nature 9(3): 157-164

0667 **Kooistra, M. J.** The interpretation and classification of features produced by pelecypods (Mollusca) in marine intertidal deposits in the Netherlands 26(1-2): 83-94

0668 **Kooistra, M. J.** Lightmicroscope and submicroscope observations of salts in marine alluvium (India) 30(1-4): 149-160

0669 **Kooistra, M. J.; Bouma, J.; Boersma, O. H.;** *et al.* Soil-structure differences and associated physical properties of some loamy Typic Fluvaquents in the Netherlands 36(3-4): 215-228

0670 **Koolen, A. J. (reviewer).** Limit analysis and soil plasticity [book review] 15(5): 447-448

0671 **Koopman, G. J.** "Waterhard"; a hard brown layer in sand below peat, the Netherlands 42(2): 147-157

0672 **Kosaki, T. (reviewer).** Proceedings of the Ninth international soil classification workshop, Japan, 20 July to 1 August, 1987 [book review] 50(3): 264-265

0673 **Kosmas, C.; and Moustakas, N.** Hydraulic conductivity and leaching of an organic saline-sodic soil 46(4): 363-370

0674 **Kosmas, C.; Moustakas, N.; Kallianou, C.;** *et al.* Cracking patterns, bypass flow and nitrate leaching in Greek irrigated soils 49(1-2): 139-152

0675 **Kovda, V. A.; and Dobrovol'skiy, G. V.** Soviet pedology to the 10th International congress of soil science (the centenary of soil science in Russia) 12(1-2): 1-16

0676 **Kowalinski, S.** Interdependence between micromorphological and chemical properties in some zonal soils of the Karkonosze Mountains (Poland) 3(2): 89-115

0677 **Kowalinski, S.; Pons, L. J.; and Slager, S.** Micromorphological comparison of three soils derived from loess in different climatic regions 7(3-4): 141-158

0678 **Krishna Murti, G. S. R.; and Satyanarayana, K. V. S.** Influence of chemical characteristics in the development of soil colour 5(3): 243-248

0679 **Kudeyarova, A. Y.** Aluminium phosphates as products of transformations of fertilizer phosphorus in an acid soil 26(3): 195-201

0680 **Kudeyarova, A. Y.; and Kvaratskheliya, M. Z.** Contribution of inorganic polyphosphates to migration of elements in a Grey forest soil, U. S.S.R. 34(3-4): 251-259

0681 **Kung, K. J. S.** Preferential flow in a sandy vadose zone; 1, Field observation 46(1-3): 51-58

0682 **Kung, K. J. S.** Preferential flow in a sandy vadose zone; 2, Mechanism and implications 46(1-3): 59-71

0683 **Kurzweil, H.** Sedimentpetrographische und mineralogische Untersuchungen an Proben aus Bodenprofilen aus dem Gebiet ""Der Wild" (Niederösterreich) [Sedimentologic and mineralogic investigations of samples from soil profiles of the "Wild" area, Lower Austria] 2(3): 229-243

0684 **Kwaad, F. J. P. M.; and Mücher, H. J.** The evolution of soils and slope deposits in the Luxembourg Ardennnes near Wiltz 17(1): 1-37

Kwaad • Laura

0685 **Kwaad, F. J. P. M.; and Mücher, H. J.** The formation and evolution of colluvium on arable land in northern Luxembourg 22(3): 173-192

0686 **Kwong Ng Kee, K. F.; and Huang, P. M.** Comparison of the influence of tannic acid and selected low-molecular-weight organic acids on precipitation products of aluminum 26(3): 179-193

0687 **Laag, J.; and Steinnes, E.** Regional distribution of halogens in Norwegian Forest soils 16(4): 317-325

0688 **Laag, J.; and Steinnes, E.** Regional distribution of selenium and arsenic in humus layers of Norwegian Forest soils 20(1): 3-14

0689 **Lafeber, D.** The optical determination of spatial (three-dimensional) orientation of platy clay minerals in soil thin-sections 1(3-4): 359-369

0690 **Lakatos, B.; Korecz, L.; and Meisel, J.** Comparative study on the Moessbauer parameters of iron humates and polyuronates 19(2): 149-157

0691 **Lakatos, B.; Tibai, T.; and Meisel, J.** EPR spectra of humic acids and their metal complexes 19(4): 319-338

0692 **Lal, R.** Soil erosion on Alfisols in Western Nigeria; I, Effects of slope, crop rotation and residue management 16(5): 363-375

0693 **Lal, R.** Soil erosion on Alfisols in Western Nigeria; II, Effects of mulch rates 16(5): 377-387

0694 **Lal, R.** Soil erosion on Alfisols in Western Nigeria; III, Effects of rainfall characteristics 16(5): 389-401

0695 **Lal, R.** Soil erosion on Alfisols in Western Nigeria; IV, Nutrient element losses in runoff and eroded sediments 16(5): 403-417

0696 **Lal, R.** Soil erosion on Alfisols in Western Nigeria; V, The changes in physical properties and the response of crops 16(5): 419-431

0697 **Lal, R.** Physical properties and moisture retention characteristics of some Nigerian soils 21(3): 209-223

0698 **Lal, R.** Soil erosion problems on Alfisols in Western Nigeria; VI, Effects of erosion on experimental plots 25(3-4): 215-230

0699 **Lal, R.** Effects of slope length on runoff from Alfisols in Western Nigeria 31(3): 185-193

0700 **Lal, R.** Effects of slope length on erosion of some Alfisols in Western Nigeria 33(3): 181-189

0701 **Lambert, W.; and Andersson, A.** The composition of the soil solution as influenced by fertilization and nutrient uptake 11(3): 157-166

0702 **Langohr, R.; Scoppa, C. O.; and Van Wambeke, A.** The use of a comparative particle size distribution index for the numerical classification of soil parent materials; application of Mollisols of the Argentinian Pampa 15(4): 305-312

0703 **Lasalle, P.; de Kimpe, C. R.; and Laverdière, M. R.** Altération profonde préglaciaire d'un gneiss à Charlesbourg, Québec (Canada) [Deep preglacial weathering of a gneiss at Charlesbourg, Quebec, Canada] 31(2): 117-132

0704 **Lasik, J. (reviewer).** Red-brown earths of Australia [book review] 29(3): 280-282

0705 **Laura, R. D.** Effects of sodium carbonate on carbon and nitrogen mineralisation of organic matter added to soil 9(1): 15-26

0706 **Laura, R. D.** Erratum; Effects of sodium carbonate on carbon and nitrogen mineralisation of organic matter added to soil 9(4): 300

0707 **Laura, R. D.** Nitrogen and humus in saline and sodic soils near Delhi, India 10(3): 193-213

0708 **Lavado, R. S.** Occurrence of magnesium-bearing calcites in Pampean soils, Argentina 29(1): 59-66

0709 **Le Bourdiec, P. (reviewer).** Sols sur socle ancien à Madagascar; types de différenciation et interpretation chronologique au cours du quaternaire [Soils on the ancient basement of Madagascar; types of differentiation and chronologic interpretation during the Quaternary; book review] 10(4): 307-308

0710 **Le Riche, H. H.** The distribution of minor elements among the components of a soil developed in loess 9(1): 43-57

0711 **Le Riche, H. H.** The distribution of boron in a soil developed in loess in relation to the weathering of glauconite 9(2): 143-147

0712 **Le Riche, H. H.** Comparison of minor elements in the Upper Greensand and Thanet Beds of Southeast England 18(4): 279-294

0713 **Le Roux, J.; and Sumner, M. E.** Studies on the soil solution of various Natal soils 1(2): 125-130

0714 **Leamy, M. L.** Paleosol identification and soil stratigraphy in South Island, New Zealand 13(1): 53-60

0715 **Lee, R. (reviewer).** Land reclamation and water management [book review] 26(4): 329

0716 **Lee, R. (reviewer).** Comparison of forest water and energy exchange models [book review] 26(1-2): 129-131

0717 **Lee, R.; Mew, G.; Newman, M. J.;** *et al.* Computer processing of soil profile data from surveys in New Zealand 16(3): 201-209

0718 **Legros, J. P.; and Pedro, G.** The causes of particle-size distribution in soil profiles derived from crystalline rocks, France 36(1): 15-25

0719 **Lentz, H.; Lüdemann, H. D.; and Ziechmann, W.** Proton resonance spectra of humic acids from the solum of a Podzol 18(4): 325-328

0720 **Levesque, M.; and Dinel, H.** Applicability of thermal methods for characterization of peats and plants 20(3-4): 201-213

0721 **Levy, R.** Sources of soluble calcium and magnesium and their effects on sodium adsorption ratios of solutions in two soils of Israel 23(2): 113-123

0722 **Levy, R.; and Feigenbaum, S.** Effect of dilution on soluble and exchangeable sodium in soils differing in mineralogy 18(3): 193-205

0723 **Levy, R.; and Francis, C. W.** Adsorption and desorption of cadmium by synthetic and natural organo-clay complexes 15(5): 361-370

0724 **Levy, R.; Shainberg, I.; Shalhevet, J.;** *et al.* Selectivity coefficients of Ca-Mg exchange for three montmorillonitic soils 8(2-3): 133-138

0725 **Lewis, L. A.** The movement of soil materials during a rainy season in western Nigeria 25(1-2): 13-25

0726 **Lichtfuss, R.; and Brümmer, G.** Gehalte an organischer Substanz, Schwermetallen und Phosphor in Dichtefraktionen von fluvialen Unterwasserböden [Distribution of organic matter, heavy metals and phosphorus among density fractions of fluvial subaquatic soils] 25(3-4): 245-265

0727 **Lieth, H. (reviewer).** Temperate deserts and semi-deserts [book review] 33(4): 343-344

0728 **Lindsay, J. D.; Scheelar, M. D.; and Twardy, A. G.** Soil survey for urban development 10(1-2): 35-45

0729 **Litaor, M. I.; Dan, Y.; and Koyumdjisky, H.** Factor analysis of a lithosequence in the northeastern Samaria Steppe (Israel) 44(1): 1-15

Little • Madrid

0730 **Little, I. P.; Armitage, T. M.; and Gilkes, R. J.** Weathering of quartz in dune sands under subtropical conditions in eastern Australia 20(3-4): 225-237

0731 **Little, I. P.; and Ward, W. T.** Chemical and mineralogical trends in a chronosequence developed on alluvium in eastern Victoria, Australia 25(3-4): 173-188

0732 **Lobartini, J. C.; Tan, K. H.; Asmussen, L. E.;** *et al.* Chemical and spectral differences in humic matter from swamps, streams and soils in the Southeastern United States 49(3-4): 241-254

0733 **Loi, K. S.; Protz, R.; and Ross, G. J.** The relationships of the clay mineral suites to the parent rocks of eight soil profiles in Sarawak, Malaysia 27(4): 327-334

0734 **Loughry, F. G.** The use of soil science in sanitary landfill selection and management 10(1-2): 131-139

0735 **Loveland, P. J.** Weathering of a soil glauconite in southern England 25(1-2): 35-54

0736 **Low, A. J.; Low, E. J.; and Douglas, L. A.** A motorized grinder for making soil thin sections 32(4): 335-337

0737 **Lozet, J. M.; and Herbillon, A. J.** Fragipan soils of Condroz (Belgium); mineralogical, chemical and physical aspects in relation with their genesis 5(4): 325-343

0738 **Luk, S.; and Hamilton, H.** Experimental effects of antecedent moisture and soil strength on rainwash erosion of two Luvisols, Ontario 37(1): 29-43

0739 **Luk, S. H.; Chen, H.; Cai, Q. G.;** *et al.* Spatial and temporal variations in the strength of loess soils, Lishi, China 45(3-4): 303-317

0740 **Lulli, L.; and Bidini, D.** A climosequence of soils from tuffs on slopes of an extinct volcano in southern Italy 24(2): 129-142

0741 **Lund, U.; and Fobian, A.** Pollution of two soils by arsenic, chromium and copper, Denmark 49(1-2): 83-103

0742 **Luo Jia Xian; and Jackson, M. L.** Potassium release on drying of soil samples from a variety of weathering regimes and clay mineralogy in China 35(3): 197-208

0743 **Luxmoore, R. J.; Jardine, P. M.; Wilson, G. V.;** *et al.* Physical and chemical controls of preferred path flow through a forested hillslope 46(1-3): 139-154

0744 **Lyford, W. H.** Narrow soils and intricate soil patterns in southern New England 11(3): 195-208

0745 **Lytton, R. L. (reviewer).** Foundations on expansive soils [book review] 17(3): 262

0746 **Macaire, J.; Perruchot, A.; and Dejou, J.** Transformations géochimiques au cours de l'altération météorique d'une basanite pliocène du Massif Central français [Geochemical transformations during weathering of a Pliocene basanite; Central Massif, France] 41(3-4): 287-314

0747 **MacCarthy, P.** A proposal to establish a reference collection of humic materials for interlaboratory comparisons 16(2): 179-181

0748 **Mackenzie, A. F. (reviewer).** Role of potassium in agriculture [book review] 3(4): 330-331

0749 **Mackie, L. A.** Production of three-dimensional representations of soil macropores with a microcomputer 40(3-4): 275-280

0750 **Macnish, S. E.; Koppi, A. J.; Little, I. P.;** *et al.* The distribution, nature and origin of some red sesquioxidic materials in southeastern Queensland, Australia 41(1-2): 1-27

0751 **Macura, J.** Trends and advances in soil microbiology from 1924 to 1974 12(4): 310-328

0752 **Madrid, L.; and de Arambarri, P.** Adsorption isotherms and hysteresis of proton adsorption by goethite 21(3): 199-208

0753 **Magaritz, M.; Kaufman, A.; and Yaalon, D. H.** Calcium carbonate nodules in soils; $^{18}O/^{16}O$ and $^{13}C/^{12}C$ ratios and ^{14}C contents 25(3-4): 157-172

0754 **Magier, J.** Soil and physiographic characteristics important to mango production on Vertisols, Israel 42(3-4): 339-352

0755 **Mahaney, W. C.; and Rahey, B. D.** Morphology, composition and age of a buried Paleosol, Front Range, Colorado, U. S.A. 23(3): 209-218

0756 **Makeyev, O. W.; and Kerzhentsev, A. S.** Cryogenic processes in the soils of northern Asia 12(1-2): 101-109

0757 **Makumbi, M. N.; and Jackson, M. L.** Weathering of Karroo argillite under equatorial conditions 19(3): 181-197

0758 **Maling, D. H. (reviewer).** Map projections for geodesists, cartographers and geographers [book review] 15(5): 446-447

0759 **Malinowski, J. (reviewer).** Aridic soils and geomorphic processes [book review] 37(3): 258-260

0760 **Malinowski, J. (reviewer).** Beiträge zur Geomorphologie der Tropen (Ostafrica, Brasilien, Zentral- und Westafrika) [Contribution to the geomorphology of the tropics; East Africa, Brazil, Central and West Africa; book review] 37(3): 260-261

0761 **Maliwal, G. L.; and Paliwal, K. V.** Predictability of exchangeable sodium by gypsum requirement using cation exchange equilibria 7(3-4): 215-223

0762 **Mandal, R.; and Islam, A.** Inositol phosphate esters in some surface soils of Bangladesh 22(4): 315-321

0763 **Mania, J.; Chauve, P.; Remy, F.;** *et al.* Evolution of iron and manganese concentrations in presence of carbonates and clays in the alluvial groundwaters of the Ognon (Franche-Comté, France) 44(2-3): 219-227

0764 **Mann, L. K.** A regional comparison of carbon in cultivated and uncultivated Alfisols and Mollisols in the central United States 36(3-4): 241-253

0765 **Manrique, L. A.** A land suitability assessment for tropical forage legumes 36(1): 57-72

0766 **Manrique, L. A.** Effects of rainfall and cover on soil temperatures of an isohyperthermic temperature regime, Panama 42(2): 129-146

0767 **Mansell, R. S.; Bloom, S. A.; Selim, H. M.;** *et al.* Multispecies cation leaching during continuous displacement of electrolyte solutions through soil columns 38(1-4): 61-75

0768 **Manten, A. A.** Symposium report; Modern agriculture and the health of man, plant and animal 8(4): 291-295

0769 **Margules, C. R. (reviewer).** Phytogeomorphology [book review] 41(3-4): 377-378

0770 **Marron, D. C.; and Popenoe, J. H.** A soil catena on schist in northwestern California 37(4): 307-324

0771 **Martín, F.** Effects of extractants on analytical characteristics and pyrolysis gas chromatography of Podzol fulvic acids 15(3): 253-265

0772 **Martin, T. C.; Robertson, J. A.; and Pawluk, S.** Changes in the micromorphology and analytical properties of a Gray Luvisol (Cryoboralf) under a 49 year old forage stand 40(1-2): 209-224

0773 **Mato, M. C.; and Mendez, J.** Inhibition of indoleacetic acid-oxidase by sodium humate 3(3): 255-258

0774 **Matthews, B.** Automatic measurement of frost-heave; results from Malham and Rodley (Yorkshire) 1(2): 107-115

0775 **Maximov, O. B.; and Glebko, L. I.** Quinoid groups in humic acids 11(1): 17-28

Maximov • McSweeney

0776 **Maximov, O. B.; and Krasovskaya, N. P.** Action of metallic sodium on humic acids in liquid ammonia 18(3): 227-228

0777 **Maximov, O. B.; Shvets, T. V.; and Elkin, Y. N.** On permanganate oxidation of humic acids 19(1): 63-78

0778 **McBratney, A. B.; and Webster, R.** Spatial dependence and classification of the soil along a transect in Northeast Scotland 26(1-2): 63-82

0779 **McCrea, A. F.; Anand, R. R.; and Gilkes, R. J.** Mineralogical and physical properties of lateritic pallid zone materials developed from granite and dolerite 47(1-2): 33-57

0780 **McGill, W. B.; and Cole, C. V.** Comparative aspects of cycling of organic C, N, S and P through soil organic matter 26(4): 267-286

0781 **McGrath, D.** The determination of uronic acid (and sugar) in soil 5(4): 261-269

0782 **McGrath, D.** Hydroxyanthraquinones in soil 7(3-4): 167-176

0783 **McGrath, D.** Sugars and uronic acids in Irish soils 10(3): 227-235

0784 **McGrath, S. P.; Sanders, J. R.; and Shalaby, M. H.** The effects of soil organic matter levels on soil solution concentrations and extractabilities of manganese, zinc and copper 42(2): 177-188

0785 **McHardy, W. J.; and Robertson, L.** An optical, scanning electron microscopic and microanalytical study of cementation in some Podzols 30(1-4): 161-170

0786 **McIntosh, P. D.** Weathering products in Vitrandept profiles under pine and manuka, New Zealand 24(3): 225-239

0787 **McIntosh, P. D.; and Kemp, R. A.** Consolidated horizons in soils formed in aeolian deposits in Southland, New Zealand 50(1-2): 109-124

0788 **McKeague, J. A.; Eilers, R. G.; Thomasson, A. J.;** *et al.* Tentative assessment of soil survey approaches to the characterization annd interpretation of air-water properties of soils 34(1): 69-100

0789 **McKeague, J. A.; and Kodama, H.** Imogolite in cemented horizons of some British Columbia soils 25(3-4): 189-197

0790 **McKeague, J. A.; Miles, N. M.; Peters, T. W.;** *et al.* A comparison of luvisolic soils from three regions in Canada 7(1-2): 49-69

0791 **McKeague, J. A.; and Schuppli, P. A.** An assessment of EDTA as an extractant of organic-complexed and amorphous forms of Fe and Al in soils 35(2): 109-118

0792 **McKeague, J. A.; and Sheldrick, B. H.** Sodium hydroxide-tetraborate in comparison with sodium pyrophosphate as an extractant of "complexes" characteristic of spodic horizons 19(2): 97-104

0793 **McKeague, J. A.; Wang, C.; Ross, G. J.;** *et al.* Evaluation of criteria for argillic horizons (Bt) of soils in Canada 25(1-2): 63-74

0794 **McKeague, J. A.; and Wolynetz, M. S.** Background levels of minor elements in some Canadian soils 24(4): 299-307

0795 **McKenzie, R. M.** The sorption of some heavy metals by the lower oxides of manganese 8(1): 29-35

0796 **McLaren, R. G.; Williams, J. G.; and Swift, R. S.** The adsorption of copper by soil samples from Scotland at low equilibrium solution concentrations 31(2): 97-106

0797 **McLaughlin, J. R.; Ryden, J. C.; and Syers, J. K.** Development and evaluation of a kinetic model to describe phosphate sorption by hydrous ferric oxide gel 18(4): 295-307

0798 **McSweeney, K.; and Fastovsky, D. E.** Micromorphological and SEM analysis of Cretaceous-Paleogene petrosols from eastern Montana and western North

Dakota 40(1-2): 49-63

0799 **McTainsh, G.** The nature and origin of the aeolian mantles of central Northern Nigeria 33(1): 13-37

0800 **Mees, F.; and Stoops, G.** Mineralogical study of salt efflorescences on soils of the Jequetepeque Valley, northern Peru 49(3-4): 255-272

0801 **Mehuys, G. R.; and de Kimpe, C. R.** Saturated hydraulic conductivity in pedogenetic characterization of podzols with fragipans in Quebec 15(5): 371-380

0802 **Mellor, A.** A micromorphological examination of two alpine soil chronosequences, Southern Norway 39(1): 41-57

0803 **Mendez, J.** Organic compounds in humic acid extracts 1(1): 27-36

0804 **Mermut, A.; and Jongerius, A.** A micromorphological analysis of regrouping phenomena in some Turkish soils 24(2): 159-175

0805 **Mermut, A.; and Pape, T.** Micromorphology of two soils from Turkey, with special reference to in-situ formation of clay cutans 5(4): 271-281

0806 **Mermut, A. R. (editor).** Micromorphology and submicroscopical studies of North American soils 40(1-2): 1-236

0807 **Metzger, L.; and Robert, M.** A scanning electron microscopy study of the interactions between sludge organic components and clay particles 35(2): 159-167

0808 **Meuzelaar, H. L. C.; Haider, K.; Nagar, B. R.;** *et al.* Comparative studies of pyrolysis-mass spectra of melanins, model phenolic polymers, and humic acids 17(3): 239-252

0809 **Miano, T.; Sposito, G.; and Martin, J. P.** Fluorescence spectroscopy of model humic acid-type polymers 47(3-4): 349-359

0810 **Miller, R. B.** In memoriam, Dr. Morice Fieldes (1914-1973) 10(3): 179

0811 **Miller, W. P.; Zelazny, L. W.; and Martens, D. C.** Dissolution of synthetic crystalline and noncrystalline iron oxides by organic acids 37(1): 1-13

0812 **Mitchell, P. B.; and Humphreys, G. S.** Litter dams and microterraces formed on hillslopes subject to rainwash in the Sydney Basin, Australia 39(4): 331-357

0813 **Mizota, C.; Carrasco, M. A.; and Wada, K.** Clay mineralogy and some chemical properties of Ap horizons of Ando soils used for paddy rice in Japan 27(3): 225-237

0814 **Mizota, C.; and Chapelle, J.** Characterization of some Andepts and Andic soils in Rwanda, Central Africa 41(3-4): 193-209

0815 **Mizota, C.; Endo, H.; Um, K. T.;** *et al.* The eolian origin of silty mantle in sedentary soils from Korea and Japan 49(1-2): 153-164

0816 **Mizota, C.; Itoh, M.; Kusakabe, M.;** *et al.* Oxygen isotope ratios of opaline silica and plant opal in three Recent volcanic ash soils 50(3): 211-217

0817 **Mizota, C.; Kawasaki, I.; and Wakatsuki, T.** Clay mineralogy and chemistry of seven pedons formed in volcanic ash, Tanzania 43(2-3): 131-141

0818 **Mizota, C.; Kusakabe, M.; and Noto, M.** Oxygen isotope composition of quartz in soils developed on late Quaternary volcanic ashes in Japan 46(4): 319-327

0819 **Mizota, C.; Toh, N.; and Matsuhisa, Y.** Origin of cristobalite in soils derived from volcanic ash in temperate and tropical regions 39(4): 323-330

0820 **Mizota, C.; and Wada, K.** Implications of clay mineralogy to the weathering and chemistry of Ap horizons of Ando soils in Japan 23(1): 49-63

0821 **Moawad, A. M.** Verlagerung und Auswaschung organischer und anorganischer Eisenverbindungen in verschiedenen Böden [Shifting and leaching of organic

Moawad • Mücher

and inorganic iron compounds in different soils] 4(2): 91-100

0822 **Moawad, A. M.** Die Umwandlung vier verschiedener Eisenchelatverbindungen in vier verschiedenen Böden [Metamorphosis of four iron chelate compounds in four different soils] 4(2): 101-107

0823 **Moberg, J. P.; and Esu, I. E.** Characteristics and composition of some savanna soils in Nigeria 48(1-2): 113-129

0824 **Moberg, J. P.; Esu, I. E.; and Malgwi, W. B.** Characteristics and constituent composition of Harmattan dust falling in Northern Nigeria 48(1-2): 73-81

0825 **Moberg, J. P.; Petersen, L.; and Rasmussen, K.** Constituents of some widely distributed soils in Denmark 42(3-4): 295-316

0826 **Moh, Z. C. (reviewer).** Laterite soil engineering; pedogenesis and engineering principles [book review] 17(3): 259

0827 **Mokma, D. L.; and Abdulla, O. H. D.** Classification of five pedons near Afgoi, Somalia 33(3): 219-226

0828 **Mokma, D. L.; and Vance, G. F.** Forest vegetation and origin of some spodic horizons, Michigan 43(4): 311-324

0829 **Mondal, R. C.** Effect of ground water high in Mg on cation exchange of Na-illite in the presence of $CaCO_3$ 9(1): 35-41

0830 **Monteith, J. L. (reviewer).** Perspectives of biophysical ecology [book review] 16(4): 345-346

0831 **Moody, P. W.; and Radcliffe, D. J.** Phosphorus sorption by Andepts from the Southern Highlands of Papua New Guinea 37(2): 137-147

0832 **Moore, A. W. (reviewer).** Soil information systems; proceedings of the meeting of the ISSS working group on soil information systems [book review] 16(5): 443

0833 **Moore, A. W.; and Russell, J. S.** Comparison of coefficients and grouping procedures in numerical analysis of soil trace element data 1(2): 139-158

0834 **Moore, T. R.** Gley morphology and soil water regimes in some soils in south-central England 11(4): 297-304

0835 **Morita, H.** Phenolic esters in peat 13(2): 163-165

0836 **Morras, H. J. M.** Submicroscopic characterisation of phosphatic and sesquioxidic nodules of some soils of the "Chaco Deprimido" (Argentina); preliminary results 30(1-4): 187-194

0837 **Morrison, R. J.** Variability of the Fagaga Series soils of Western Samoa 49(1-2): 105-116

0838 **Mortland, M. M. (reviewer).** Formation and properties of clay-polymer complexes [book review] 23(3): 225-226

0839 **Moshi, A. O.; Wild, A.; and Greenland, D. J.** Effect of organic matter on the charge and phosphate adsorption characteristics of Kikuyu Red clay from Kenya 11(4): 275-285

0840 **Moss, R. P. (reviewer).** Introduction to the study of soils in tropical and sub-tropical regions [book review] 2(4): 323

0841 **Mott, C. (reviewer).** Soil chemistry [book review] 26(1-2): 126-128

0842 **Mücher, H. J.; Carballas, T.; Guitian-Ojea, F.;** *et al.* Micromorphological analysis of effects of alternating phases of landscape stability and instability on two soil profiles in Galicia, N.W. Spain 8(4): 241-266

0843 **Mücher, H. J.; Chartres, C. J.; Tongway, D. J.;** *et al.* Micromorphology and significance of the surface crusts of soils in rangelands near Cobar, Australia 42(3-4): 227-244

0844 **Mückenhausen, E.** Das wissenschaftliche Werk von Prof. Prof. h.c. Dr. Dr. h.c. Walter L. Kubiena [The scientific work of Walter L. Kubiena] 1(3-4): 165-174

0845 **Mückenhausen, E.** Utilization for agriculture and forestry of Graulehme, Tertiary Paleosols in Central Europe 22(1): 39-44

0846 **Mueller-Wegener, U.** Über die Bindung von s-Triazinen an Huminsäuren [On the binding of s-triazines to humic acids] 19(3): 227-235

0847 **Muhs, D. R.** A soil chronosequence on Quaternary marine terraces, San Clemente Island, California 28(3-4): 257-283

0848 **Muir, J. W.; Hardie, H. G. M.; Inkson, R. H. E.;** *et al.* The classification of soil profiles by traditional and numerical methods 4(2): 81-90

0849 **Mulder, D. (reviewer).** Compendium of soil fungi [book review] 28(1): 63-64

0850 **Muller, J.; and Bocquier, G.** Dissolution of kaolinites and accumulation of iron oxides in lateritic-ferruginous nodules; mineralogical and microstructural transformations 37(2): 113-136

0851 **Muller, K. (reviewer).** Pilze aus Agrarboden [Fungi in agricultural soils; book review] 6(3): 229

0852 **Mundra, M. C.; Bhandari, G. S.; and Srivastava, O. P.** Studies on mineralization and immobilization of nitrogen in soil 9(1): 27-33

0853 **Murad, E.; and Fischer, W. R.** Mineralogy and heavy metal contents of soils and stream sediments in a rural region of western Germany 21(2): 133-145

0854 **Murali, V.; Krishna Murti, G. S. R.; and Sarma, V. A. K.** Clay mineral distribution in two toposequences of tropical soils of India 20(3-4): 257-269

0855 **Murali, V.; Sarma, V. A. K.; and Krishna Murti, G. S. R.** Mineralogy of two Red soil (Alfisol) profiles of Mysore State, India 11(2): 147-155

0856 **Murphy, C. P.** Point counting pores and illuvial clay in thin section 31(2): 133-150

0857 **Murphy, C. P.** Faster methods of liquid-phase acetone replacement of water from soils and sediments prior to resin impregnation 35(1): 39-45

0858 **Murphy, C. P.; McKeague, J. A.; Bresson, L. M.;** *et al.* Description of soil thin sections; an international comparison 35(1): 15-37

0859 **Murphy, E. J. (reviewer).** Climate-diagram maps [book review] 15(4): 347-348

0860 **Murtha, G. G.; and Williams, J.** Measurement, prediction and interpretation of soil temperature for use in soil taxonomy; tropical Australian experience 37(3): 189-206

0861 **Myslivec, A. (reviewer).** Elements of soil physics [book review] 34(3-4): 317-319

0862 **Nahon, D.; Janot, C.; Karpoff, A. M.;** *et al.* Mineralogy, petrography and structures of iron crusts (ferricretes) developed on sandstones in the western part of Senegal 19(4): 263-277

0863 **Nahon, D. B.; Herbillon, A. J.; and Beauvais, A.** The epigenetic replacement of kaolinite by lithiophorite in a manganese - lateritic profile, Brazil 44(4): 247-259

0864 **Naidu, R.; Kirkman, J. H.; and Morrison, R. J.** Mineralogy of soils from basaltic ash, Taveuni, Fiji 39(3): 181-192

0865 **Nakai, M.; and Yoshinaga, N.** Fibrous goethite in some soils from Japan and Scotland 24(2): 143-158

0866 **Nalovic, L.; and Pinta, M.** Recherches sur les éléments traces dans les sols tropicaux; étude de quelques sols de Madagascar [Trace elements in some tropical soils of Madagascar] 3(2): 117-132

Nalovic • Northcote

0867 **Nalovic, L.; and Pinta, M.** Recherches sur les elements traces dans les sols tropicaux; etude de quelques sols du Cameroun [Study of trace elements in some tropical soils of Cameroon] 7(3-4): 249-267

0868 **Natale, I.; and Tschapek, M.** Transference numbers of ions in sols and suspensions 4(1): 73-80

0869 **Nätscher, L.; and Schwertmann, U.** Proton buffering in organic horizons of acid forest soils 48(1-2): 93-106

0870 **Nelson, L. A. (reviewer).** Uses of soil information systems [book review] 25(3-4): 299-301

0871 **Nelson, L. A. (reviewer).** Factual data banks in agriculture [book review] 25(3-4): 301-303

0872 **Nelson, L. A. (reviewer).** Proceedings of the Second international soil classification workshop, 1978; I, Malaysia; II, Thailand [book review] 27(4): 351-352

0873 **Nelson, L. A. (reviewer).** Flow-diagram keys for "soil taxonomy" [book review] 31(1): 71-72

0874 **Nelson, R. E.; and Nettleton, W. D.** Some properties of smectite and mica in clays of soils in dry regions 14(3): 247-253

0875 **Németh, K.** Die Charakterisierung des K-Haushaltes von Böden mittels K-Desorptionskurven [The investigation of the K status of soils by means of K desorption curves] 5(2): 99-109

0876 **Nettleton, W. D. (reviewer).** Micromorphologie des sols—Soil micromorphology [book review] 48(1-2): 179

0877 **Nettleton, W. D.; Eswaran, H.; Holzhey, C. S.;** *et al.* Micromorphological evidence of clay translocation in poorly dispersible soils 40(1-2): 37-48

0878 **Nettleton, W. D.; Flach, K. W.; and Nelson, R. E.** Pedogenic weathering of tonalite in Southern California 4(4): 387-402

0879 **Neyroud, J. A.; and Schnitzer, M.** The alkaline hydrolysis of humic substances 13(3): 171-188

0880 **Ngatunga, E. L. N.; Lal, R.; and Uriyo, A. P.** Effects of surface management on runoff and soil erosion from some plots at Mlingano, Tanzania 33(1): 1-12

0881 **Niederbudde, E. A.; and Kussmaul, H.** Tonmineraleigenschaften und -Umwandlungen in Parabraunerde-Profilpaaren unter Acker und Wald in Süddeutschland [Clay mineral properties and transformations in paired Gray-brown podzolic soil profiles under cultivation and forests in southern Germany] 20(3-4): 239-255

0882 **Nielsen, D. R.** Emerging frontiers in soil science 40(3-4): 267-273

0883 **Nielsen, K. E.; Dalsgaard, K.; and Nornberg, P.** Effects on soils of an oak invasion of a Calluna heath, Denmark; I, Morphology and chemistry 41(1-2): 79-95

0884 **Nielsen, K. E.; Dalsgaard, K.; and Nornberg, P.** Effects on soils of an oak invasion of a Calluna heath, Denmark; II, Changes in organic matter and cellulose decomposition 41(1-2): 97-106

0885 **Nissenbaum, A. (reviewer).** Geochemistry of colloid systems for earth scientists [book review] 25(3-4): 294

0886 **Nissenbaum, A.; and Schallinger, K. M.** The distribution of the stable carbon isotope ($^{13}C/^{12}C$) in fractions of soil organic matter 11(2): 137-145

0887 **Nornberg, P.** Mineralogy of a Podzol formed in sandy materials in northern Denmark 24(1): 25-43

0888 **Nornberg, P.; Dalsgaard, K.; and Skammelsen, E.** Morphology and composition of three Mollisol profiles over chalk, Denmark 36(3-4): 317-342

0889 **Northcote, K. H.; and Hutton, J. T. (reviewers).** Soil survey field handbook [book review] 15(3): 268-269

0890 **Northcote, K. H.; and Hutton, J. T. (reviewers).** Soil survey laboratory methods [book review] 15(3): 268-269

0891 **Northey, R. D.** Insurance claims from earthquake damage in relation to soil pattern 10(1-2): 151-159

0892 **Norton, L. D.** Micromorphological study of surface seals developed under simulated rainfall 40(1-2): 127-140

0893 **Norton, L. D.; Bigham, J. M.; Hall, G. F.;** *et al.* Etched thin sections for coupled optical and electron microscopy and micro-analysis 30(1-4): 55-64

0894 **Nullet, D.; Ikawa, H.; and Kilham, P.** Local differences in soil temperature and soil moisture regimes on a mountain slope, Hawaii 47(1-2): 171-184

0895 **Nychas, A. E.; and Kosmas, C. S.** Phosphate adsorption by dark alkaline Vertisols in Greece 32(4): 319-327

0896 **Oades, J. M.; and Wagner, G. H.** Incorporation of ^{14}C into sugars in a soil incubated with ^{14}C glucose 4(4): 417-423

0897 **Oborn, I.** Properties and classification of some Acid sulfate soils in Sweden 45(3-4): 197-219

0898 **Odeh, I. O. A.; Chittleborough, D. J.; and McBratney, A. B.** Elucidation of soil-landform interrelationships by canonical ordination analysis 49(1-2): 1-32

0899 **Odeh, I. O. A.; McBratney, A. B.; and Chittleborough, D. J.** Design of optimal sample spacings for mapping soil using fuzzy-k-means and regionalized variable theory 47(1-2): 93-122

0900 **Oertli, J. J.** The use of chemical potentials to express nutrient availabilities 9(2): 81-95

0901 **Ogner, G.** Analysis of the carbohydrates of fulvic and humic acids as their partially methylated alditol acetates 23(1): 1-10

0902 **Ogner, G.** ^{31}P-NMR spectra of humic acids; a comparison of four different raw humus types in Norway 29(3): 215-219

0903 **Ogner, G.** A comparison of four different raw humus types in Norway using chemical degradations and CPMAS ^{13}C NMR spectroscopy 35(4): 343-353

0904 **Ogner, G.** Erratum; A comparison of four different raw humus types in Norway using chemical degradations and CPMAS ^{13}C NMR spectroscopy 36(3-4): 356

0905 **Ogner, G.; and Gjessing, E. T.** Permanganate oxidation of methylated and non-methylated aquatic humus in Norway 14(2): 139-145

0906 **Ogner, G.; and Groenneberg, T.** Permanganate oxidation of methylated fulvic and humic acids in chloroform 19(3): 237-245

0907 **Ogunwale, J. A.; Ashaye, T. I.; Odu, C. T. I.;** *et al.* Characterization of selected sandstone-derived soils in the ecological zones of Nigeria 13(4): 331-347

0908 **Olness, A.; and Dewey, B. W.** Estimating potentials for nitrate-N reduction and nitrogen transformation from field incubations 28(2): 117-128

0909 **Olson, G. W.** Improving uses of soils in Latin America 9(4): 257-267

0910 **Olson, K. R.; Carmer, S. G.; and Olson, G. W.** Assessment of effects of soil variability on maximum alfalfa yields, New York 36(1): 1-14

0911 **Olsson, M.; and Melkerud, P.** Chemical and mineralogical changes during genesis of a Podzol from till in southern Sweden 45(3-4): 267-287

0912 **Orchard, E. R. (reviewer).** Nutrient mobility in soils; accumulation and losses [book review] 6(3): 231

Orchard • Pelisek

0913 **Orchard, E. R. (reviewer).** Moving off the yield plateau [book review] 7(1-2): 135

0914 **Orlov, D. S.; Ammosova, Y. M.; and Glebova, G. I.** Molecular parameters of humic acids 13(3): 211-229

0915 **Pagliai, M.; Bisdom, E. B. A.; and Ledin, S.** Changes in surface structure (crusting) after application of sewage sludge and pig slurry to cultivated agricultural soils in northern Italy 30(1-4): 35-53

0916 **Pak, K. P.; and Tsyurupa, I. G.** Achievements of Soviet soil science in the reclamation of Solonetzes 15(2): 119-130

0917 **Pal, D. K.; Deshpande, S. B.; Venugopal, K. R.;** *et al.* Formation of di- and trioctahedral smectite as evidence for paleoclimatic changes in southern and central peninsular India 45(2): 175-184

0918 **Pal, R.; and Stroosnijder, L.** Experimental verification of two calculation methods for relating horizontal infiltration to soil-water diffusivity 15(5): 413-424

0919 **Paliwal, K. V.; and Gandhi, A. P.** Some relationships between quality of irrigation waters and chemical characteristics of irrigated soils of the Nagaur District, Rajasthan 9(3): 213-220

0920 **Paliwal, K. V.; and Maliwal, G. L.** Prediction of exchangeable sodium percentage from cation exchange equilibria 6(1): 75-78

0921 **Pape, J. C.** Plaggen soils in the Netherlands 4(3): 229-255

0922 **Parfenova, E. I.; and Yarilova, E. A.** Humus microforms in the soils of the U. S.S.R 1(3-4): 197-207

0923 **Parfitt, R. L.; Childs, C. W.; and Eden, D. N.** Ferrihydrite and allophane in four Andepts from Hawaii and implications for their classification 41(3-4): 223-241

0924 **Parfitt, R. L.; Churchman, G. J.; Wada, K.;** *et al.* Clay minerals and humus complexes in five Kenyan soils derived from volcanic ash [discussion and reply] 42(3-4): 365-367

0925 **Parfitt, R. L.; and Clayden, B.** Andisols; the development of a new order in soil taxonomy 49(3-4): 181-198

0926 **Parfitt, R. L.; Russell, M.; and Orbell, G. E.** Weathering sequence of soils from volcanic ash involving allophane and halloysite, New Zealand 29(1): 41-57

0927 **Parsons, R. B.** Soil-geomorphology relations in mountains of Oregon, U. S.A. 21(1): 25-39

0928 **Parsons, R. B.** Stratigraphy and land use of the Post-Diamond Hill Paleosol, western Oregon 22(1): 67-70

0929 **Paton, T. R.** Origin and terminology for gilgai in Australia 11(3): 221-242

0930 **Paton, T. R.; and Little, I. P.** Discriminant-function analyses of data on a valley-fill sequence in southeastern Queensland 11(1): 29-36

0931 **Pawluk, S.** Fabric sequences as related to genetic processes in two Alberta soils 30(1-4): 233-242

0932 **Pawluk, S. (reviewer).** Soil micromorphology; Vol. 1, Techniques and applications; Vol. 2, Soil genesis [book review] 33(4): 344-346

0933 **Pawluk, S.** Faunal micromorphological features in moder humus of some western Canadian soils 40(1-2): 3-16

0934 **Pedro, G.** Structuring of some basic pedological processes 31(4): 289-299

0935 **Pedro, G.; Jamagne, M.; and Begon, J. C.** Two routes in genesis of strongly differentiated acid soils under humid, cool-temperate conditions 20(3-4): 173-189

0936 **Pelisek, J.** Vertical soil zonality in the Carpathians of Czechoslovakia 9(3): 193-211

0937 **Peña, F.; and Torrent, J.** Relationships between phosphate sorption and iron oxides in Alfisols from a river terrace sequence of Mediterranean Spain 33(4): 283-296

0938 **Pennock, D. J.; Zebarth, B. J.; and de Jong, E.** Landform classification and soil distribution in hummocky terrain, Saskatchewan, Canada 40(3-4): 297-315

0939 **Penven, M. J.; Fedoroff, N.; and Robert, M.** Altération météorique des biotites en Algérie [Weathering of biotites in Algeria] 26(4): 287-309

0940 **Pereira, C. (reviewer).** The ecology and management of wetlands; Vol. 1, Ecology of wetlands; Vol. 2, Management use and value of wetlands [book review] 47(1-2): 190-191

0941 **Perrott, K. W.** Freeze-drying of soil clays 17(3): 219-224

0942 **Perrott, K. W.** Effects of pH and aluminosilicate composition on K-Mg exchange selectivity of amorphous aluminosilicates 26(4): 311-322

0943 **Perrott, K. W.; Langdon, A. G.; and Wilson, A. T.** Sorption of phosphate by aluminium and iron(III)-hydroxy species on mica surfaces 12(3): 223-231

0944 **Petach, M. C.; Wagenet, R. J.; and DeGloria, S. D.** Regional water flow and pesticide leaching using simulations with spatially distributed data 48(3-4): 245-269

0945 **Pettry, D. E. (reviewer).** Soils; their formation, classification and distribution [book review] 26(3): 219

0946 **Pettry, D. E. (reviewer).** Soil genesis and classification [book review] 26(3): 220

0947 **Pettry, D. E. (reviewer).** Pedogenesis and soil taxonomy; I, Concepts and interactions, [book review] 35(4): 355

0948 **Pettry, D. E. (reviewer).** Pedogenesis and soil taxonomy; II, The soil orders, [book review] 35(4): 356

0949 **Pettry, D. E.; and Coleman, C. S.** Two decades of urban soil interpretations in Fairfax County, Virginia 10(1-2): 27-34

0950 **Peverill, K. I.; and Douglas, L. A.** Use of undisturbed cores of surface soil for investigating leaching losses of sulphur and phosphorus 16(3): 193-199

0951 **Peverill, K. I.; Douglas, L. A.; and Greenhill, N. B.** Leaching losses of applied P and S from undisturbed cores of some Australian surface soils 19(2): 91-96

0952 **Philip, J. R.** Fifty years progress in soil physics 12(4): 265-280

0953 **Phillips, I. R.; Black, A. S.; and Cameron, K. C.** Effects of lime and phosphate additions plus subsequent leaching on cation exchange capacities of soils with variable change 42(2): 165-175

0954 **Piccolo, A.; and Stevenson, F. J.** Infrared spectra of Cu^{2+}, Pb^{2+}, and Ca^{2+} complexes of soil humic substances 27(3): 195-208

0955 **Pidgeon, J. D.** Contemporary pedogenetic processes in a ferrallitic soil in Uganda; I, Identification 15(5): 425-435

0956 **Pijls, F. W. G. (prefacer).** Soil survey research in the Netherlands 4(3): 159-355

0957 **Pinsky, D. L.** The analysis of isotherm data to describe polyfunctional exchangers and soils 24(4): 337-347

0958 **Ponge, J. F.** Food resources and diets of soil animals in a small area of Scots pine litter 49(1-2): 33-62

0959 **Ponizovsky, A. A.; Mironenko, E. V.; and Pachepsky, Y. A.** Calculations of ion activities in soil solutions from humic horizons 36(1): 37-44

Poonia • Raad

0960 **Poonia, S. R.; Mehta, S. C.; and Pal, R.** The effects of electrolyte concentrations on calcium-sodium exchange equilibria in two soil samples of India 32(1): 63-70

0961 **Poonia, S. R.; and Niederbudde, E. A.** Exchange equilibria of potassium in soils; V, Effect of natural organic matter on K-Ca exchange 47(3-4): 233-242

0962 **Popescu, M. E. (reviewer).** Les essais d'eau dans la reconnaissance des sols [Water test in soil characterization; book review] 31(2): 168

0963 **Popescu, M. E. (reviewer).** Dictionary of geotechnics [book review] 33(3): 256

0964 **Popescu, M. E. (reviewer).** Dictionary of soil mechanics and foundation engineering [book review] 33(3): 256

0965 **Portegies Swart, R.; Vink, A. P. A.; and van Schuylenborgh, J.** The weathering of zeolitic and non-zeolitic calcareous materials in a lacustrine plain in south-central Italy 14(4): 277-295

0966 **Posner, A. M. (reviewer).** Soil chemistry; A, Basic elements [book review] 17(3): 263

0967 **Prabhakaran Nair, K. P.; and Cottenie, A.** Parent material-soil relationship in trace elements; a quantitative estimation 5(2): 81-97

0968 **Premi, P. R.; and Cornfield, A. H.** Effects of copper, zinc, and chromium on immobilization and subsequent re-mobilization of nitrogen during incubation of soil treated with sucrose 3(3): 233-237

0969 **Prenzel, J.** A numerical scheme for the calculation of coupled chemical equilibria 38(1-4): 31-39

0970 **Preston, C. M.; Dudley, R. L.; Fyfe, C. A.;** *et al.* Effects of variations in contact times and copper contents in a ^{13}C CPMAS NMR study of samples of four organic soils 33(3): 245-253

0971 **Prihar, S. S.; and Hundal, S. S.** Determination of bulk density of soil clod by saturation 5(4): 283-286

0972 **Pritchard, D. T.** Aluminium distribution in soils in relation to surface area and cation exchange capacity 5(4): 255-260

0973 **Protz, R.** Calcium-dominated organans in Humic Podzols from the Hudson and James Bay lowlands of Ontario (Canada) 30(1-4): 171-177

0974 **Protz, R.; Shipitalo, M. J.; Mermut, A. R.;** *et al.* Image analysis of soils; present and future 40(1-2): 115-125

0975 **Prusinkiewicz, Z.** A mathematical model of energy budgets of forest humus of the Mull, Moder and Mor types in Poland 23(2): 79-93

0976 **Pullar, W. A.** Tephra marker beds in the soil and their application in related sciences 10(1-2): 161-168

0977 **Pullar, W. A.** Note on local applications of paleopedology in central North Island, New Zealand 22(1): 61-66

0978 **Puri, A. N.; and Swarnakar, R. D.** Determining available phosphoric acid in soils 2(2): 85-93

0979 **Quantin, P.; Balesdent, J.; Bouleau, A.;** *et al.* Premiers stades d'altération de ponces volcaniques en climat tropical humide (Montagne Pelée, Martinique) [First stages of volcanic pumice alteration in a humid tropical climate; Mount Pelee, Martinique] 50(1-2): 125-148

0980 **Raad, A. T.; and Protz, R.** A new method for the identification of sediment stratification in soils of the Blue Springs Basin, Ontario 6(1): 23-41

0981 **Racz, Z.** Podzols on the territory of Croatia (Yugoslavia) and their micromorphological properties 2(1): 41-55

0982 **Ragg, J. M.** The recording and organization of soil field data for computer areal mapping 19(2): 81-89

0983 **Rahi, G. S.; and Jensen, R. D.** Effect of temperature on soil-water diffusivity 14(2): 115-124

0984 **Rai, D.; and Franklin, W. T.** Effect of moisture content on ethylene glycol retention by clay minerals 21(1): 75-79

0985 **Raju, G. S. N.; and Mukhopadhyay, A. K.** Ammonium fixation by soils saturated with different cations 16(3): 211-218

0986 **Raman, K. V.; and Mortland, M. M.** Amorphous materials in a Spodosol; some mineralogical and chemical properties 3(1): 37-43

0987 **Randle, K.; and Hartmann, E. H.** Applications of the continuous flow stirred cell (CFSC) technique to adsorption of zinc, cadmium and mercury on humic acids 40(3-4): 281-296

0988 **Ranger, J.; Dambrine, E.; Robert, M.;** *et al.* Study of current soil-forming processes using bags of vermiculite and resins placed within soil horizons 48(3-4): 335-350

0989 **Ransom, M. D.; Smeck, N. E.; and Bigham, J. M.** Micromorphology of seasonally wet soils on the Illinoian till plain, U. S.A. 40(1-2): 83-99

0990 **Rashid, M. A.; Buckley, D. E.; and Robertson, K. R.** Interactions of a marine humic acid with clay minerals and a natural sediment 8(1): 11-27

0991 **Rasmuson, A.** Modeling of solute transport in aggregated/fractured media including diffusion into the bulk matrix 38(1-4): 41-60

0992 **Rasmussen, L.; von Freiesleben, N. E.; and Jorgensen, P.** Leaching of ions from a forested Typic Udipsamment by acidified throughfall, Denmark 43(1): 33-47

0993 **Raynal, R. (reviewer).** Géologie, géomorphologie et hydrologie des terrains salés [Geology, geomorphology and hydrology of saline ground; book review] 17(3): 260-262

0994 **Reaves, G. A.; and Berrow, M. L.** Total lead concentrations in Scottish soils 32(1): 1-8

0995 **Reaves, G. A.; and Berrow, M. L.** Extractable lead concentrations in Scottish soils 32(2): 117-129

0996 **Rebertus, R. A.; and Buol, S. W.** Intermittency of illuviation in Dystrochrepts and Hapludults from the Piedmont and Blue Ridge provinces of North Carolina 36(3-4): 277-291

0997 **Reheis, M. C.** Pedogenic replacement of aluminosilicate grains by $CaCO_3$ in Ustollic Haplargids, south-central Montana, U. S.A. 41(3-4): 243-261

0998 **Renger, M. (reviewer).** Physikalische Eigenschaften von Böeden der Schweiz [Physical properties of soils in Switzerland; book review] 26(4): 331

0999 **Renger, M. (reviewer).** Physikalische Eigenschaften von Böden der Schweiz [Physical properties of soils in Switzerland; book review] 28(2): 151

1000 **Renger, M. (reviewer).** Physikalische Eigenschaften von Böden der Schweiz [Physical characteristics of soils in Switzerland; book review] 34(3-4): 320

1001 **Rennie, D. A. (reviewer).** Soil acidity and liming [book review] 2(1): 82-83

1002 **Rennie, D. A. (reviewer).** The reclamation of Solonets soils in the U. S.S.R. [book review] 3(3): 259-260

1003 **Revel, J. C.; and Bourgeat, F.** Transformations des carbonates dans une sequence de sols développées sur marnes dans le Bassin Aquitain, France [Transformations of carbonates in a soil sequence formed in marl; Aquitaine

Revel • Roth

Basin, France] 36(2): 123-143

1004 **Reynders, J. J.** A study of argillic horizons in some soils in Morocco 8(4): 267-279

1005 **Rice, J. A.; and MacCarthy, P.** Comments on the literature of the humin fraction of humus 43(1): 65-73

1006 **Richard, F. (reviewer).** Soils and field drainage [book review] 18(3): 229-230

1007 **Richter, J.** Evidence for significance of other-than-normal diffusion transport in soil gas exchange 8(2-3): 95-101

1008 **Riezebos, P. A.; and Lustenhouwer, W. J.** Characteristics and significance of composite particles derived from a Colombian Andosol profile 30(1-4): 195-217

1009 **Riffaldi, R.; and Schnitzer, M.** Effects of diverse experimental conditions on ESR spectra of humic substances 8(1): 1-10

1010 **Riga, A.; Van Praag, H. J.; and Brigode, N.** Rapport isotopique naturel de l'azote dans quelques sols forestiers et agricoles de Belgique soumis à divers traitements culturaux [Natural isotope ratios in some forest and agricultural soils in Belgium subjected to various fertility treatments] 6(3): 213-222

1011 **Righi, D.; and de Coninck, F.** Mineralogic evolution in hydromorphic sandy soils and Podzols in "Landes du Medoc", France 19(4): 339-358

1012 **Righi, D.; and Lorphelin, L.** Weathering of silt and clay in soils of a toposequence in the Himalayas, Nepal 39(2): 141-155

1013 **Riley, S. J. (reviewer).** Environmental change and tropical geomorphology [book review] 41(3-4): 376

1014 **Ritchie, G. S. P. (reviewer).** Soil analysis, instrumental techniques and related procedures [book review] 35(3): 262-263

1015 **Robert, M.; and Veneau, G.** An experimental evaluation of the effects of pH and concentration of salt solutions on the alteration of leucite at low temperature 11(3): 209-219

1016 **Robinson, D. (reviewer).** Soil physics with BASIC; transport models for soil-plant systems [book review] 39(1): 80-82

1017 **Romans, J. C. C.; and Robertson, L.** Some genetic characteristics of the freely drained soils of the Ettrick Association in East Scotland 14(4): 297-317

1018 **Romans, J. C. C.; and Robertson, L.** Erratum; Some genetic characteristics of the freely drained soils of the Ettrick Association in East Scotland 15(2): 177

1019 **Roonwal, G. S.; and Bhumbla, D. R.** Contribution to the mineralogy of the sand fraction and geochemistry of the soils developed over gneissic rocks in the Kulu area (central Himalayas, India) 2(4): 309-319

1020 **Rosek, M. J.; and Richardson, J. L.** Soils on erosional footslopes in two basins differing in relief in North Dakota, USA 45(3-4): 289-302

1021 **Ross, G. J. (reviewer).** Soil components; II, Inorganic components [book review] 16(1): 78-80

1022 **Ross, G. J.; Wang, C.; Ozkan, A. I.;** *et al.* Weathering of chlorite and mica in a New Brunswick Podzol developed on till derived from chlorite-mica schist 27(3): 255-267

1023 **Rosswall, T. (reviewer).** Microbial communities in a forest-Rendzina ecosystem [book review] 15(3): 267-268

1024 **Roth, C. H.; and Pavan, M. A.** Effects of lime and gypsum on clay dispersion and infiltration in samples of a Brazilian Oxisol 48(3-4): 351-361

1025 **Rotini, O. T.; and Sequi, P.** Progrès réalisés dans la fertilité du sol et la nutrition des plantes [Advances in soil fertility and plant nutrition] 12(4): 329-344

1026 **Rozhkov, V. A.** Coordinate-statistical approach to the objective classification of soils 12(1-2): 175-182

1027 **Rudeforth, C. C.; and Webster, R.** Indexing and display of soil survey data by means of feature-cards and Boolean maps 9(4): 229-248

1028 **Ruhe, R. V. (reviewer).** Pedology, weathering, and geomorphological research [book review] 14(2): 176-177

1029 **Ruhe, R. V.** Soil-climate system across the prairies in midwestern U. S.A. 34(3-4): 201-219

1030 **Ruhe, R. V.; Hall, R. D.; and Canepa, A. P.** Sangamon Paleosols of southwestern Indiana, U. S.A 12(3): 191-200

1031 **Ruhe, R. V.; and Olson, C. G.** Clay-mineral indicators of glacial and nonglacial sources of Wisconsinan loesses in southern Indiana, U. S.A. 24(4): 283-297

1032 **Russell, E. W. (reviewer).** The agricultural potential of the Middle East [book review] 8(4): 302-303

1033 **Russell, E. W.** The role of Commission VI during the last 50 years 12(4): 361-380

1034 **Russell, E. W. (reviewer).** Arid zone irrigation [book review] 13(4): 378-379

1035 **Russell, E. W. (reviewer).** Agrochemistry of the soils of the U. S.S.R., Volga region [book review] 14(4): 343

1036 **Russell, E. W. (reviewer).** Nitrogen in desert ecosystems [book review] 23(2): 160-161

1037 **Russell, J. D. (reviewer).** Advanced techniques for clay mineral analysis [book review] 32(2): 157-158

1038 **Russell, J. D.; Fraser, A. R.; Watson, J. R.;** *et al.* Thermal decomposition of protein in soil organic matter 11(1): 63-66

1039 **Russell, J. D.; Jones, D.; Vaughan, D.;** *et al.* A preliminary study of fungal melanin by infrared spectroscopy 24(3): 207-213

1040 **Russell, J. D.; Vaughan, D.; Jones, D.;** *et al.* An IR spectroscopic study of soil humin and its relationship to other soil humic substances and fungal pigments 29(1): 1-12

1041 **Russell, J. S.; and Moore, A. W.** Use of a numerical method in determining affinities between some deep sandy soils 1(1): 47-68

1042 **Rutherford, G. K.** A micropedological study of the genesis of a gray-brown podzolic soil in southeastern Ontario (Canada) 1(3-4): 277-287

1043 **Rutherford, G. K.** The properties, genesis and geomorphological relationships of a sequence of soils on a limestone plain in Southeast Ontario, Canada 5(3): 179-196

1044 **Rutherford, G. K.** Pedogenesis of two Ultisols (Red earth soils) on granite in Belize, Central America 40(1-2): 225-236

1045 **Rutherford, G. K.** Paleosols and Holocene soils occurring over the North Mountain Basalt in Nova Scotia and Grand Manan Island, Canada 45(2): 163-173

1046 **Rutherford, G. K.; and Taylor, C. E. B.** The soils of the Faeroe Islands 25(3-4): 231-244

1047 **Ryan, J.** Phosphorus and its utilization in soils of dry regions 29(4): 341-354

1048 **Sabouraud, C.; and Trichet, J.** Confirmation, par l'étude des inclusions intracristallines, de l'origine superficielle de quartz pyramidés [Confirmation, through study of intracrystalline inclusions, of the superficial origin of pyramidal quartz] 20(3-4): 191-199

Sahrawat • Scheffer

1049 **Sahrawat, K. L.** Organic nitrogen in potassium chloride extract of Histosols in the Philippines 29(1): 77-80

1050 **Saigusa, M.; Shoji, S.; and Kato, T.** Origin and nature of halloysite in Ando soils from Towada tephra, Japan 20(2): 115-129

1051 **Saini, G. R.** Chemical and physical properties of coastal Alluvial soils of New Brunswick 5(2): 111-118

1052 **Saiz-Jimenez, C.; Haider, K.; and Meuzelaar, H. L. C.** Comparisons of soil organic matter and its fractions by pyrolysis mass-spectrometry 22(1): 25-37

1053 **Salem, N.; Verloo, M.; and de Boodt, M.** Effects of bituminous emulsions on retention and release of some chemical elements in two soil samples 35(3): 241-249

1054 **Saly, R.** Pleistozäne Periglazialbildungen als Muttersubstrat der Böden in den Westkarpathen [Pleistocene periglacial formations as parent material of soils in the Western Carpathians] 7(1-2): 79-92

1055 **Samson, S. A.; and Lewis, D. T.** Numerical taxonomy of soils using spectral information of overlying range vegetation 50(1-2): 1-11

1056 **Sanborn, P.; and Pawluk, S.** Process studies of a Chernozemic pedon, Alberta (Canada) 31(3): 205-237

1057 **Sanborn, P.; and Pawluk, S.** Microstructure diversity in Ah horizons of Black Chernozemic soils, Alberta and British Columbia (Canada) 45(3-4): 221-240

1058 **Sánchez Camazano, M.; and Sánchez Martín, M. J.** Factors influencing interactions of organophosphorus pesticides with montmorillonite 29(2): 107-118

1059 **Sanchez, P. A.; Couto, W.; and Buol, S. W.** The fertility capability soil classification system; interpretation, applicability and modification 27(4): 283-309

1060 **Sanders, F. E.; and Tinker, P. B. H.** Adsorption of sulphate by a sandy loam soil (Calcic Cambisol) 13(4): 317-324

1061 **Sankhayan, S. D.; and Shukla, U. C.** Rates of urea hydrolysis in five soils of India 16(2): 171-178

1062 **Sardin, M.; Krebs, R.; and Schweich, D.** Transient mass-transport in the presence of non-linear physico-chemical interaction laws; progressive modelling and appropriate experimental procedures 38(1-4): 115-130

1063 **Sarma, V. A. K.; and Krishna Murti, G. S. R.** Plumbogummite minerals in Indian soils 3(4): 321-327

1064 **Schaetzl, R. J.** A lithosequence of soils in extremely gravelly, dolomitic parent materials, Bois Blanc Island, Lake Huron 48(3-4): 305-320

1065 **Schaetzl, R. J.** Erratum; A lithosequence of soils in extremely gravelly, dolomitic parent materials, Bois Blanc Island, Lake Huron 50(3): 287

1066 **Schafer, B. M.; and McGarity, J. W.** Genesis of red and dark Brown soils on basaltic parent materials near Armidale, N.S.W., Australia 23(1): 31-47

1067 **Scharpenseel, H. W.; and Pietig, F.** Einfache Boden- und Wasserdatierung durch Messung der ^{14}C- oder Tritiumkonzentration [Simple methods of dating soil and water samples by measurement of carbon-14 or tritium concentration] 2(4): 273-289

1068 **Scheffer, F. (reviewer).** Die physikalische Untersuchung der Boeden [The physical study of soil; book review] 7(1-2): 138-139

1069 **Scheffer, F. (reviewer).** Bodengeographie, mit besonderer Berücksichtigung der Böden Mitteleuropas [Soil geography; with emphasis on the soils of Central Europe; book review] 9(2): 149-150

1070 **Scheffer, F.; and Gebhardt, H.** Chemisch-mineralogische und mikromorphologische Untersuchung einer eutrophen (Ramann-) Braunerde des Budapester Hügellandes [Chemical, mineralogical and micromorphological study of an eutrophic (Ramann) Brown forest soil from the Budapest hills] 17(2): 145-163

1071 **Scheffer, H. C. F. (reviewer).** Die Produktionskapazität der Böden der Erde [The production capacity of the Earth's soils; book review] 16(3): 267-268

1072 **Scheffer, H. C. F. (reviewer).** Globale Energiebilanz und Klimaschwankungen [Global energy balance and climatic variations; book review] 16(3): 267-268

1073 **Schelling, J.** Soil genesis, soil classification and soil survey 4(3): 165-193

1074 **Schimel, D. S.; Coleman, D. C.; and Horton, K. A.** Soil organic matter dynamics in paired rangeland and cropland toposequences in North Dakota 36(3-4): 201-214

1075 **Schimmack, W.; and Bunzl, K.** Migration of solutes in a cultivated soil; effect of ploughing 38(1-4): 155-163

1076 **Schimmack, W.; Bunzl, K.; and Zelles, L.** Initial rates of migration of radionuclides from the Chernobyl fallout in undisturbed soils 44(2-3): 211-218

1077 **Schmitt, H. W.; and Sticher, H.** Long-term trend analysis of heavy metal content and translocation in soils 38(1-4): 195-207

1078 **Schnitzer, M.** Comparisons of IR-spectra from melanins of microscopic soil fungi, humic acids and model polymers [discussion] 11(4): 323-326

1079 **Schnitzer, M.; and Kodama, H.** Differential thermal analysis of metal-fulvic acid salts and complexes 7(1-2): 93-103

1080 **Schnitzer, M.; and Kodama, H.** An electron microscopic examination of fulvic acid 13(4): 279-287

1081 **Schnitzer, M.; and Kodama, H.** The dissolution of micas by fulvic acid 15(5): 381-391

1082 **Schnitzer, M.; Maximov, O. B.; Shvets, V. T.;** *et al.* On permanganate oxidation of humic acids [discussion and reply] 21(3): 239-243

1083 **Schnitzer, M.; and Ortiz de Serra, M. I.** The sodium-amalgam reduction of soil and fungal humic substances 9(2): 119-128

1084 **Schoeller, H. (reviewer).** Le cycle de l'eau; climats, paléoclimats et géochimie globale [The water cycle; global climate, paleoclimate and geochemistry; book review] 42(3-4): 372-373

1085 **Schoeneberger, P.; and Amoozegar, A.** Directional saturated hydraulic conductivity and macropore morphology of a soil-saprolite sequence 46(1-3): 31-49

1086 **Scholten, J. J.; and Andriesse, W.** Morphology, genesis and classification of three soils over limestone, Jamaica 39(1): 1-40

1087 **Schoonderbeek, D.; Thiel, F.; and Bisdom, E. B. A.** Quantimet 720 analysis of porosities in backscattered electron scanning images made with different photo-techniques 30(1-4): 271-275

1088 **Schothorst, C. J.** Subsidence of low moor peat soils in the western Netherlands 17(4): 265-291

1089 **Schuffelen, A. C.** A few aspects of 50 years of soil chemistry 12(4): 281-297

1090 **Schulin, R.; Flühler, H.; Mansell, R. S;** *et al.* Miscible displacement of ions in aggregated soils 38(1-4): 311-322

1091 **Schulin, R.; Papritz, A.; Flühler, H.;** *et al.* Calcium and magnesium transport in aggregated soils at variable ionic strength 44(2-3): 129-141

1092 **Schulten, H. R.; Hempfling, R.; and Zech, W.** Discriminating horizons in a moder profile by field ionization mass spectrometry and pattern recognition 41(3-4): 211-222

Schuppli • Sevink

1093 **Schuppli, P. A.; Protz, R.; and McKeague, J. A.** Extractable organic fractions of Podzolic and associated soils in the Hudson Bay-James Bay Lowlands 41(3-4): 263-274

1094 **Schwaighofer, B.** Mineralogisch-chemische Umwandlungen bei der Verwitterung pyroklastischer Gesteine auf Teneriffa (Kanarische Inseln) [Mineralogical and chemical transformations in the weathering of pyroclastic rocks, Tenerife, Canary Islands] 16(4): 285-315

1095 **Schwartz, D.** Some Podzols on Bateke sands and their origins, People's Republic of Congo 43(2-3): 229-247

1096 **Schwartz, D.; Mariotti, A.; Lanfranchi, R.;** *et al.* $^{13}C/^{12}C$ ratios of soil organic matter as indicators of vegetation changes in the Congo 39(2): 97-103

1097 **Schweich, D.; and Sardin, M. (editors).** Impact of physico-chemistry on the study, design and optimization of processes in natural porous media 44(2-3): 93-244

1098 **Schwertmann, U.** Der Einfluss einfacher organischer Anionen auf die Bildung von Goethit und Hämatit aus amorphem Fe(III)-Hydroxid [The influence of various simple organic anions on the formation of goethite and hematite from amorphous ferric hydroxide] 3(3): 207-214

1099 **Schwertmann, U. (reviewer).** Developments in soil science; 1, Bauxites [book review] 8(1): 75-76

1100 **Schwertmann, U.; and Fischer, W. R.** Natural "amorphous" ferric hydroxide 10(3): 237-247

1101 **Schwertmann, U.; and Latham, M.** Properties of iron oxides in some New Caledonian Oxisols 39(2): 105-123

1102 **Schwertmann, U.; and Latham, M.** Erratum; Properties of iron oxides in some New Caledonian Oxisols 40(3-4): 357

1103 **Schwertmann, U.; Murad, E.; and Schulze, D. G.** Is there Holocene reddening (hematite formation) in soils of axeric temperate areas? 27(3): 209-223

1104 **Searle, P. L.; and Daly, B. K.** The determination of aluminium, iron, manganese and silicon in acid oxalate soil extracts by flame emission and atomic absorption spectrometry 19(1): 1-10

1105 **Sehgal, J. L.** Studies of some soils in the NW Himalayas and the highlands of India 9(1): 59-74

1106 **Sehgal, J. L.; Hall, G. F.; and Bhargava, G. P.** An appraisal of the problems in classifying saline-sodic soils of the Indo-Gangetic Plain in NW India 14(1): 75-91

1107 **Sehgal, J. L.; and Stoops, G.** Pedogenic calcite accumulation in arid and semi-arid regions of the Indo-Gangetic alluvial plain of erstwhile Punjab (India); their morphology and origin 8(1): 59-72

1108 **Selim, H. M.; Flühler, H.; and Schulin, R. (editors).** Mechanisms of ion transport in soils 38(1-4): 1-322

1109 **Selim, H. M.; and Kirkham, D.** Unsteady state two-dimensional water content distribution and wetting fronts in soils 11(4): 259-274

1110 **Senesi, N.; and Testini, C.** Physico-chemical investigations of interaction mechanisms between s-triazine herbicides and soil humic acids 28(2): 129-146

1111 **Sequi, P.; Guidi, G.; and Petruzzelli, G.** Influence of metals on solubility of soil organic matter 13(2): 153-161

1112 **Sevink, J.; and Verstraten, J. M.** Clay soils on limestone in South Limburg, the Netherlands; 1, Setting and general characteristics 21(4): 251-267

1113 **Sevink, J.; and Vink, A. P. A.** Some banded soils of the southern Veluwe (the Netherlands) 3(2): 157-173

1114 **Shadfan, H.** Clay minerals and potassium status in some soils of Jordan 31(1): 41-56

1115 **Shanmuganathan, R. T.; and Oades, J. M.** Influence of anions on dispersion and physical properties of the A horizon of a Red-brown earth 29(3): 257-277

1116 **Sharpley, A. N.; and Smith, S. J.** Distribution of potassium forms in virgin and cultivated soils of the U. S.A. 42(3-4): 317-329

1117 **Shaviv, A.; and Schnek, M.** Reactions of mixtures of granulated superphosphate and ammonium sulphate in Calcareous soil 44(1): 17-27

1118 **Shaviv, A.; and Shachar, N.** A model of phosphorus diffusion from a slightly soluble source and its transformations in Calcareous soils 47(3-4): 361-379

1119 **Shipitalo, M. J.; and Protz, R.** Chemistry and micromorphology of aggregation in earthworm casts 45(3-4): 357-374

1120 **Shtina, E. A.** The principal directions of experimental investigations in soil algology with emphasis on the U. S.S.R 12(1-2): 151-156

1121 **Shukla, U. C.** Organic matter and zinc availability in soils 6(4): 309-314

1122 **Shurygina, E. A.; Larina, N. K.; Chubarova, M. A.;** *et al.* Differential thermal analysis (DTA) and thermogravimetry (TG) of soil humus substances 6(3): 169-177

1123 **Sidhu, P. S.; Sehgal, J. L.; Sinha, M. K.;** *et al.* Composition and mineralogy of iron-manganese concretions from some soils of the Indo-Gangetic Plain in Northwest India 18(4): 241-249

1124 **Sievers, D. M. (reviewer).** Septic systems handbook [book review] 47(1-2): 186

1125 **Sikora, F. J.; and Stevenson, F. J.** Silver complexation by humic substances; conditional stability constants and nature of reactive sites 42(3-4): 353-363

1126 **Simonson, R. W.** Editorial; additional guides for preparation of manuscripts 9(1): 1-3

1127 **Simonson, R. W. (ed).** Non-agricultural applications of soil surveys 10(1-2): 1-178

1128 **Simonson, R. W. (ed).** Soil science in the U. S.S.R 12(1-2): 1-189

1129 **Simonson, R. W. (reviewer).** Land use in advancing agriculture; advanced series in agricultural sciences, 1; book review 16(3): 270-272

1130 **Simonson, R. W.** Editorial; soil identification in manuscripts 20(1): 1-2

1131 **Simonson, R. W.** Editorial; deficiencies common in manuscripts submitted to Geoderma 22(4): 271-273

1132 **Simonson, R. W.** Origin of the name "Ando soils" 22(4): 333-335

1133 **Simonson, R. W. (reviewer).** Benchmark soils of India [book review] 29(4): 373-374

1134 **Simonson, R. W.** Soil identification in manuscripts 31(1): 1-2

1135 **Simonson, R. W. (reviewer).** Lithology and stratigraphy of loess and Paleosols [book review] 39(2): 163-164

1136 **Simonson, R. W.** The U. S. soil survey; contributions to soil science and its application 48(1-2): 1-16

1137 **Simonson, R. W.; and Yaalon, D. H. (editors).** Aridic soils 28(3-4): 173-356

1138 **Singer, A. (reviewer).** Tropical soils, a comprehensive study of their genesis [book review] 11(4): 333-334

1139 **Singer, A. (reviewer).** Aridic soils of Israel; properties, genesis and management [book review] 33(1): 86-87

1140 **Singer, A. (reviewer).** Productivity of Sahelian rangelands; a study of the soils, the vegetations and the exploitation of that natural resource [book review] 35(2): 169-170

Singer • Smolkova

1141 **Singer, A.** Properties and genesis of some soils of Guanxi Province, China 43(2-3): 117-130

1142 **Singer, A.; and Ben-Dor, E.** Origin of red clay layers interbedded with basalts of the Golan Heights 39(4): 293-306

1143 **Singh, B.; and Sekhon, G. S.** Leaching of nitrate in calcareous soils as influenced by its adsorption on calcium carbonate 20(3-4): 271-279

1144 **Singh, B.; and Sekhon, G. S.** Erratum; Leaching of nitrate in calcareous soils as influenced by its adsorption on calcium carbonate 21(4): 345

1145 **Singh, D.; Pal, R.; and Poonia, S. R.** Exchange equilibria of potassium versus calcium-plusmagnesium in soils of arid and semi-arid regions, India 25(1-2): 55-62

1146 **Singh, L.; and Singh, S.** Chemical and morphological composition of kankar nodules in soils of the Vindhyan region of Mirzapur, India 7(3-4): 269-276

1147 **Singh, M.** Equilibrium adsorption of boron in soils and clays 5(3): 209-217

1148 **Singh, M.** Retention of added copper by two soils as affected by organic matter, $CaCO_3$, and exchangeable ions 5(3): 219-227

1149 **Singh, R.; and Shukla, U. C.** Studies of ^{65}Zn movement in soil columns under laboratory conditions 15(4): 313-321

1150 **Singhal, J. P.; and Kumar, D.** Thermodynamics of exchange of zinc with Mg-bentonite and Mg-illite 17(3): 253-258

1151 **Sinha, M. K.; Dhillon, S. K.; Pundeer, G. S.;** *et al.* Chemical equilibria and quantity-intensity relationship of zinc in some acid soils of India 13(4): 349-362

1152 **Siyag, R. S.; Pal, R.; and Poonia, S. R.** Water transmission of unsaturated soil samples in relation to mixed Na-(Ca + Mg) solutions 31(2): 107-116

1153 **Siyag, R. S.; Pal, R.; Poonia, S. R.;** *et al.* Predicting transport of three cations in soil columns under conditions of steady-state flow, India 34(3-4): 281-292

1154 **Slager, S. (reviewer).** Mechanical and microaggregate composition of soils; methods of investigation [book review] 2(4): 322

1155 **Smeck, N. E.** Phosphorus dynamics in soils and landscapes 36(3-4): 185-199

1156 **Smeck, N. E.; and Wilding, L. P.** Quantitative evaluation of pedon formation in calcareous glacial deposits in Ohio 24(1): 1-16

1157 **Smettem, K. R. J.; and Collis-George, N.** Statistical characterization of soil biopores using a soil peel method 36(1): 27-36

1158 **Smiley, C. J. (reviewer).** Ecology of a subarctic mire [book review] 27(4): 350

1159 **Smith, B. F. L.; and Mitchell, B. D.** Differences in silica release from soils of two Scottish associations as assessed by trimethylsilylation 35(4): 333-342

1160 **Smith, B. J.; and Whalley, W. B.** Observations on the composition and mineralogy of an Algerian duricrust complex 28(3-4): 285-311

1161 **Smith, C. A. S.; Tomlin, A. D.; Miller, J. J.;** *et al.* Large enchytraeid (Annelida: Oligochaeta) worms and associated fauna from unglaciated soils of the northern Yukon, Canada 47(1-2): 17-32

1162 **Smith, C. W.; Hadas, A.; Dan, J.;** *et al.* Shrinkage and Atterberg limits in relation to other properties of principal soils types in Israel 35(1): 47-65

1163 **Smith, C. W.; Hadas, A.; Dan, J.;** *et al.* Erratum; Shrinkage and Atterberg limits in relation to other properties of principal soil types in Israel 35(3): 265

1164 **Smolkova, L.** Polygenese der fossilen Lössböden der Tschechoslowakei im Lichte mikromorphologischer Untersuchungen [Polygenesis of fossil loess soils

of Czechoslovakia in the light of micromorphologic investigations] 1(3-4): 315-324

1165 **Soerianegara, I.** Soils of Peutjang Island, Southwest Java 2(4): 297-308

1166 **Soerianegara, I.** Erratum; Soils of Peutjang Island, Southwest Java 3(4): 331

1167 **Sokolowska, Z.** On the role of energetic and geometric heterogeneity in sorption of water vapour by soils; application of a fractal approach 45(3-4): 251-265

1168 **Sokolowska, Z.; Patrykiejew, A.; and Sokolowski, S.** Equation for describing anion sorption in soils with their heterogeneous adsorbing surfaces 41(3-4): 327-336

1169 **Sokolowska, Z.; and Szczypa, J.** Adsorption isotherms for weak acid anions in soils 24(4): 349-361

1170 **Sorensen, H. (reviewer).** Clay minerals; a physico-chemical explanation of their occurrence [book review] 37(3): 261-263

1171 **Sowden, F. J. (reviewer).** Soil components; 1, Organic components [book review] 15(5): 444-445

1172 **Spain, A. V.; Prove, B. G.; Hodgen, M. J.;** *et al.* Seasonal variation in penetration resistance and shear strength of three rainforest soils from northeastern Queensland 47(1-2): 79-92

1173 **Spoor, G. (reviewer).** Soil conservation; problems and prospects [book review] 31(4): 356

1174 **Srivastava, O. P.; and Pathak, A. N.** Available phosphorus in relation to forms of phosphate fractions in Uttar Pradesh soils 5(4): 287-296

1175 **Srivastava, R. C.; and Abrol, I. P.** Non-linear thermodynamics of irreversible processes and transport of matter and energy through soil systems 1(1): 69-75

1176 **St. Arnaud, R. J. (reviewer).** Atlas écologique des sols du monde [Ecologic atlas of the soils of the world; book review] 17(2): 167-168

1177 **St. Arnaud, R. J.; and Herbillon, A. J.** Occurrence and genesis of secondary magnesium-bearing calcites in soils 9(4): 279-298

1178 **St. Arnaud, R. J.; and Herbillon, A. J.** Erratum; Occurrence and genesis of secondary magnesium-bearing calcites in soils 13(2): 168

1179 **St. Arnaud, R. J.; Stewart, J. W. B.; and Frossard, E.** Application of the "pedogenic index" to soil fertility studies, Saskatchewan 43(1): 21-32

1180 **Stanford, G. (reviewer).** The chemistry of soil constituents [book review] 23(3): 223

1181 **Stanton, D. A.; and Burger, R. d. T.** A rapid polarographic method for the determination of zinc in soil extracts and plant-ash solutions 1(1): 7-11

1182 **Stanton, D. A.; and Burger, R. d. T.** Availability to plants of zinc sorbed by soil and hydrous iron oxides 1(1): 13-17

1183 **Steenhuis, T. S.; Parlange, J. Y.; and Andreini, M. S.** A numerical model for preferential solute movement in structured soils 46(1-3): 193-208

1184 **Stein, A.; Hoogerwerf, M.; and Bouma, J.** Use of soil-map delineations to improve (co-)kriging of point data on moisture deficits 43(2-3): 163-177

1185 **Stephan, S.; Berrier, J.; De Petre, A. A.;** *et al.* Characterization of in situ organic matter constituents in Vertisols from Argentina, using submicroscopic and cytochemical methods; first report 30(1-4): 21-34

1186 **Stephens, C. G.** Laterite and silcrete in Australia; a study of the genetic relationships of laterite and silcrete and their companion materials, and their collective significance in the formation of the weathered mantle, soils, relief and drainage of the Australian continent 5(1): 5-52

Stephens • Swift

1187 **Stephens, C. G. (reviewer).** Laterite and landscape [book review] 19(2): 169

1188 **Stevenson, F. J. (reviewer).** Soil organic matter [book review] 23(2): 157-158

1189 **Stevenson, F. J.; Krastanov, S. A.; and Ardakani, M. S.** Formation constants of Cu^{2+} complexes with humic and fulvic acids 9(2): 129-141

1190 **Stewart, R. B.; Neall, V. E.; and Syers, J. K.** Accumulation of aerosolic quartz in an Andept chronosequence, North Island, New Zealand 37(4): 331-340

1191 **Sticher, H.; and Bach, R.** Aragonit-Konkretionen in Dolomit-Rendzinen [Aragonite-concretions in dolomitic Rendzinas] 6(1): 61-67

1192 **Stolpe, N. B.; and Lewis, D. T.** Mineralogical implications of high ratios of 1500 kPa water content to percent measured clay for two soils of western Nebraska 47(1-2): 1-16

1193 **Stone, R. O. (reviewer).** Geomorphology in deserts [book review] 11(4): 332-333

1194 **Stoop, W. A.** Ion adsorption mechanisms in oxidic soils; implications for point of zero charge determinations 23(4): 303-314

1195 **Stoop, W. A.** Evaluation of the cation status of oxidic soils using adsorption-release curves 26(1-2): 107-119

1196 **Stoop, W. A.** Phosphate adsorption mechanisms in oxidic soils; implications for P-availability to plants 31(1): 57-69

1197 **Stoops, G.** SEM and light microscopic observations of minerals in bog-ores of the Belgian Campine 30(1-4): 179-186

1198 **Stoops, G. (reviewer).** Soil structure and fabric [book review] 47(1-2): 189-190

1199 **Stoops, G. (reviewer).** Minerals in soil environments [book review] 50(3): 262-264

1200 **Stoops, G.; and Jongerius, A.** Proposal for a micromorphological classification of soil materials; I, A classification of the related distributions of fine and coarse particles 13(3): 189-199

1201 **Stoops, G.; and Jongerius, A.** Proposal for a micromorphological classification of soil materials; I, A classification of the related distributions of fine and coarse particles 19(3): 247-249

1202 **Stoops, G. J.; and Zavaleta, A.** Micromorphological evidence of barite neoformation in soils 20(1): 63-70

1203 **Stremme, H. E.** Thermoluminescence dating of the pedostratigraphy of the Quaternary Period in NW Germany 45(2): 185-195

1204 **Stroosnijder, L.; and Koolen, A. J. (reviewers).** Handbook of soil mechanics; 1, Soil physics [book review] 13(4): 379-380

1205 **Stumm, W.** Coordinative interactions between soil solids and water; an aquatic chemist's point of view 38(1-4): 19-30

1206 **Sudicky, E. A.** The Laplace transform Galerkin technique for efficient time-continuous solution of solute transport in double-porosity media 46(1-3): 209-232

1207 **Sullivan, L. A.** Micropitting of some clay materials adjacent structural pores 46(4): 371-376

1208 **Sullivan, L. A.; and Koppi, A. J.** In-situ soil organic matter studies using scanning electron microscopy and low temperature ashing 40(3-4): 317-332

1209 **Süsser, P.; and Schwertmann, U.** Proton buffering in mineral horizons of some Acid forest soils 49(1-2): 63-76

1210 **Swift, R. S. (reviewer).** Soils in the New Zealand landscape; the living mantle [book review] 50(3): 261-262

1211 **Szabolcs, I.** The activity of the Subcommission on Salt Affected Soils (formerly Alkali Subcommission) of the International Society of Soil Science 12(4): 381-382

1212 **Szabolcs, I. (reviewer).** Rates of chemical weathering of rocks and minerals [book review] 39(4): 359-361

1213 **Szabolcs, I. (reviewer).** Practical pedology, studying soils in the field [book review] 48(1-2): 180-181

1214 **Takeda, H.** A rapid method for preparing thin sections of soil organic layers 42(2): 159-164

1215 **Takkar, P. N.** Distribution of iron and manganese in meadow forest–non-calcic brown and gray-brown podzolic soils of the Himachal Pradesh (India) 3(3): 215-222

1216 **Tan, K. H.** Effects of humic and fulvic acids on release of fixed potassium 21(1): 67-74

1217 **Tan, K. H.; and Clark, F. E.** Polysaccharide constituents in fulvic and humic acids extracted from soil 2(3): 245-255

1218 **Tan, K. H.; and Dowling, P. S.** Effect of organic matter on CEC due to permanent and variable charges in selected temperate region soils 32(2): 89-101

1219 **Tan, K. H.; and Giddens, J. E.** Molecular weights and spectral characteristics of humic and fulvic acids 8(4): 221-229

1220 **Tan, K. H.; and McCreery, R. A.** Possibility of the silylation technique in gas liquid chromatography of fulvic and humic acids 4(2): 119-126

1221 **Tarchitzky, J.; Banin, A.; Morin, J.;** *et al.* Nature, formation and effects of soil crusts formed by water drop impact 33(2): 135-155

1222 **Tardy, Y. (reviewer).** Evolution superficielle des roches cristallines et cristallophylliennes dans les régions temperées [Weathering of crystalline and phyllitic crystalline rocks in temperate regions; book review] 25(3-4): 298-299

1223 **Tardy, Y.; Bocquier, G.; Paquet, H.;** *et al.* Formation of clay from granite and its distribution in relation to climate and topography 10(4): 271-284

1224 **Tarnocai, C.; and Smith, C. A. S.** Micromorphology and development of some central Yukon Paleosols, Canada 45(2): 145-162

1225 **Taylor, R. M.** Proposed mechanism for the formation of soluble Si-Al and Fe (III)-Al hydroxy complexes in soils 42(1): 65-77

1226 **Taylor, R. M.; and Bond, R. D.** Electrolytic weathering effects in minerals 22(2): 85-97

1227 **Tedrow, J. C. F. (reviewer).** Agrochemistry of the soils of the USSR, Far East [book review] 14(2): 171-172

1228 **Tedrow, J. C. F. (reviewer).** Agrochemistry of the soils of the U. S.S.R., central Siberia, 1971 [book review] 15(5): 443

1229 **Theng, B. K. G.** Interactions between montmorillonite and fulvic acid 15(3): 243-251

1230 **Thevanayagam, S.; and Altschaeffl, A. G. (reviewers).** Soil plasticity; theory and implementation [book review] 42(3-4): 369-371

1231 **Thomasson, A. J.; and Moore, T. R.** Gley morphology and soil water regimes in some soils in south-central England [discussion and reply] 13(4): 373-375

1232 **Thompson, M. L.; Fedoroff, N.; and Fournier, B.** Morphological features related to agriculture and faunal activity in three loess-derived soils in France 46(4): 329-349

1233 **Thompson, T. L.; Hossner, L. R.; and Wilding, L. P.** Micromorphology of calcium carbonate in bauxite processing waste 48(1-2): 31-42

1234 **Tiessen, H.; Frossard, E.; Mermut, A. R.;** *et al.* Phosphorus sorption and properties of ferruginous nodules from semiarid soils from Ghana and Brazil

Tiessen • Uriyo

48(3-4): 373-389

1235 **Tiessen, H.; Hauffe, H. K.; and Mermut, A. R.** Deposition of Harmattan dust and its influence on base saturation of soils in northern Ghana 49(3-4): 285-299

1236 **Tiller, K. G.; Gerth, J.; and Brümmer, G.** The sorption of Cd, Zn and Ni by soil clay fractions; procedures for partition of bound forms and their interpretation 34(1): 1-16

1237 **Tiller, K. G.; Gerth, J.; and Brümmer, G.** The relative affinities of Cd, Ni and Zn for different soil clay fractions and goethite 34(1): 17-35

1238 **Timpson, M. E.; and Richardson, J. L.** Ionic composition and distribution in saline seeps of southwestern North Dakota, U. S.A. 37(4): 295-305

1239 **Tippkötter, R.** Morphology, spatial arrangement and origin of macropores in some Hapludalfs, West Germany 29(4): 355-371

1240 **Tokashiki, Y.; and Wada, K.** Weathering implications of the mineralogy of clay fractions of two Ando soils, Kyushu 14(1): 47-62

1241 **Topp, G. C.; and Davis, J. L.** Detecting infiltration of water through soil cracks by time-domain reflectometry 26(1-2): 13-23

1242 **Torrent, J.; and Benayas, J.** Origin of gibbsite in a weathering profile from granite in west-central Spain 19(1): 37-49

1243 **Torrent, J.; and Cabedo, A.** Sources of iron oxides in reddish brown soil profiles from calcarenites in southern Spain 37(1): 57-66

1244 **Torrent, J.; and Nettleton, W. D.** Feedback processes in soil genesis 20(3-4): 281-287

1245 **Torrent, J.; and Nettleton, W. D.** Erratum; Feedback processes in soil genesis 22(3): 253

1246 **Torrent, J.; Schwertmann, U.; and Schulze, D. G.** Iron oxide mineralogy of some soils of two river terrace sequences in Spain 23(3): 191-208

1247 **Trasar-Cepeda, M. C.; Gil-Sotres, F.; and Guitian-Ojea, F.** Relation between phosphorous fractions and development of soils from Galicia (NW Spain) 47(1-2): 139-150

1248 **Troeh, F. R.; Jabro, J. D.; and Kirkham, D.** Gaseous diffusion equations for porous materials 27(3): 239-253

1249 **Tschapek, M.; Bussetti, S. G. d.; and Santamaria, R.** Calorimetric determination of the exchangeable Al^{3+}–H^{+} 5(1): 69-72

1250 **Tschapek, M.; and Peinemann, N.** Water vapor adsorption by soil at 105°C and exactness of water content determinations 3(1): 55-61

1251 **Turchenek, L. W.; and Oades, J. M.** Fractionation of organo-mineral complexes by sedimentation and density techniques 21(4): 311-343

1252 **Uehara, G. (reviewer).** Characterization of soils in relation to their classification and management for crop production; examples from some areas of the humid tropics [book review] 28(2): 151-152

1253 **Ulrich, B.; and Khanna, P. K.** Schofield'sche Potentiale und Phosphatformen in Böden [Schofield's potentials and phosphate forms in soils] 2(1): 65-77

1254 **Unger, P. W.** Effects of deep tillage and profile modification on soil properties, root growth, and crop yields in the United States and Canada 22(4): 275-295

1255 **Ure, A. M.; Bacon, J. R.; Berrow, M. L.;** *et al.* The total trace element content of some Scottish soils by spark source mass spectrometry 22(1): 1-23

1256 **Uriyo, A. P.; and Kesseba, A.** An evaluation of NH_4F as a selective extractant for aluminium phosphate in two soils of the tropics 8(2-3): 207-220

1257 **Uriyo, A. P.; and Kesseba, A.** Phosphate fractions in some Tanzania soils 10(3): 181-192

1258 **Uriyo, A. P.; and Kesseba, A.** Amounts and distribution of organic phosphorus in some profiles in Tanzania 13(3): 201-210

1259 **Valentin, C.** Surface crusting in two Alluvial soils of northern Niger 48(3-4): 201-222

1260 **Valentine, K. W. G.; and Yaalon, D. H. (editors).** Climatic and lithostratigraphic significance of Paleosols 45(2): 103-195

1261 **Valeton, I. (reviewer).** Karst bauxites, bauxite deposits on carbonate rocks [book review] 31(2): 163-165

1262 **Valocchi, A. J.** Use of temporal moment analysis to study reactive solute transport in aggregated porous media 46(1-3): 233-247

1263 **van Baren, F. A.** Conception, birth, and namegiving of a new periodical 1(1): 5

1264 **van Baren, F. A. (reviewer).** Atlas zur Bodenkunde [Atlas of soil types; book review] 2(1): 79

1265 **van Baren, F. A.; and Kovda, V. A. (prefacers).** Fifty years progress in soil science 12(4): 264-405

1266 **van Bladel, R.; Frankart, R.; and Gheyi, H. R.** A comparison of three methods of determining the cation exchange capacity of calcareous soils 13(4): 289-298

1267 **van den Broek, J. M. M.; and van der Marel, H. W.** Weathering, clay migration and podzolization in a hydromorphic loess soil 2(2): 121-150

1268 **Van der Merwe, C. R.** In Memoriam Dr. Jacob van Garderen 6(3): 153-154

1269 **van der Plas, L.; and van Reeuwijk, L. P.** From mutable compounds to soil minerals 12(4): 383-405

1270 **van der Plas, L.; and van Schuylenborgh, J.** Petrochemical calculations applied to soils, with special reference to soil formation 4(4): 357-385

1271 **Van der Sluijs, P.** Decalcification of marine clay soils connected with decalcification during silting 4(3): 209-227

1272 **Van der Sluijs, P.; and Ovaa, I.** Dikes breaches and soil conditions 10(1-2): 141-150

1273 **van der Zee, S. E. A. T. M.; and van Riemsdijk, W. H.** Sorption kinetics and transport of phosphate in sandy soil 38(1-4): 293-309

1274 **van Diest, A. (reviewer).** Evaluation of fertility by plant and soil analysis [book review] 35(3): 261

1275 **van Diest, A. (reviewer).** Russell's soil conditions and plant growth [book review] 47(1-2): 187-188

1276 **Van Dijk, H.** Cation binding of humic acids 5(1): 53-67

1277 **van Eimern, J. (reviewer).** Structure and function of northern coniferous forests; an ecosystem study [book review] 27(4): 353-354

1278 **van Garderen, J. (reviewer).** Changing patterns in fertilizer use [book review] 2(2): 171

1279 **van Genuchten, M. T.; and Dalton, F. N.** Models for simulating salt movement in aggregated field soils 38(1-4): 165-183

1280 **van Genuchten, M. T.; Rolston, D. E.; and Germann, P. F. (editors).** Transport of water and solutes in macropores 46(1-3): 1-297

1281 **van Heesen, H. C.** Presentation of the seasonal fluctuation of the water table on soil maps 4(3): 257-278

Van Hooff • Verstraeten

1282 **Van Hooff, P.** Earthworm activity as a cause of splash erosion in a Luxembourg forest 31(3): 195-204

1283 **van Kuilenburg, J.; de Gruijter, J. J.; Marsman, B. A.;** *et al.* Accuracy of spatial interpolation between point data on soil moisture supply capacity, compared with estimates from mapping units 27(4): 311-325

1284 **Van Moort, J. C.; and de Vries, D.** Rapid carbon determination by dry combustion in soil science and geochemistry 4(2): 109-118

1285 **van Riemsdijk, W. H.; and van der Zee, S. E. A. T. M.** Multicomponent transport modelling of enhanced metal leaching using synthetic ligands 44(2-3): 143-158

1286 **Van Rooyen, P. C.; and Weber, H. W.** Long-term effects of five ameliorants on a saline-sodic soil of South Africa 19(3): 213-225

1287 **van Schuylenborgh, J. (reviewer).** Lehrbuch der Bodenkunde [Textbook of soil science; book review] 6(2): 151-152

1288 **Van Wambeke, A. A. (reviewer).** Characteristics, classification and adaptation of soils in selected areas in Sierra Leone, West Africa [book review] 15(5): 445-446

1289 **Vancura, V. (reviewer).** Interactions between non-pathogenic soil microorganisms and plants [book review] 23(3): 219-220

1290 **Vancura, V. (reviewer).** Gaseous loss of nitrogen from plant-soil systems, [book review] 35(4): 356-358

1291 **Vander Zaag, P.; Yost, R. S.; Trangmar, B. B.;** *et al.* An assessment of chemical properties for soils of Rwanda with the use of geostatistical techniques 34(3-4): 293-314

1292 **Varade, S. B.; and Dhanpal.** Intrinsic penetrability and diffusivity as influenced by texture and initial moisture content 8(2-3): 103-110

1293 **Vaughn, D.; Russell, J. D.; Ord, B. G.;** *et al.* Characterization of a Scottish dopplerite 43(4): 325-335

1294 **Veen, A. W. L.; and Maaskant, P.** Electron microprobe analysis of plasma in an impervious horizon of a tropical groundwater Podzol 6(2): 101-107

1295 **Veen, A. W. L.; Slager, S.; and Jongmans, A. G.** A micromorphological study of four Pleistocene alluvial soils of Surinam (South America) 6(2): 81-100

1296 **Veldkamp, E.; Huising, E. J.; Stein, A.;** *et al.* Variation of measured banana yields in a Costa Rican plantation as explained by soil survey and thematic mapper data 47(3-4): 337-348

1297 **Veneman, P. L. M.; Jacke, P. V.; and Bodine, S. M.** Soil formation as affected by pit and mound microrelief in Massachusetts, USA 33(2): 89-99

1298 **Veneman, P. L. M.; Vepraskas, M. J.; and Bouma, J.** The physical significance of soil mottling in a Wisconsin toposequence 15(2): 103-118

1299 **Vepraskas, M. J.; and Bouma, J.** Model experiments on mottle formation simulating field conditions 15(3): 217-230

1300 **Verges, V.** Solution and associated features of limestone fragments in a Calcareous soil (Lithic Calcixeroll) from southern France 36(2): 109-122

1301 **Verstraeten, L. M. J.; Feyen, J.; and Livens, J.** Hygroscopicity as a valuable complement in soil analysis; 2, Correlation between maximum hygroscopicity and some physico-chemical characteristics of Ap-horizons with different textures 6(4): 263-274

1302 **Verstraeten, L. M. J.; and Livens, J.** Hygroscopicity as a valuable complement in soil analysis; 1, Characterization of the hygroscopic constant 6(4): 255-262

1303 **Verstraten, J. M.; and Sevink, J.** Clay soils on limestone in South Limburg, the Netherlands; 2, Weathering 21(4): 269-280

1304 **Verstraten, J. M.; and Sevink, J.** Clay soils on limestone in South Limburg, the Netherlands; 3, Soil formation 21(4): 281-295

1305 **Viets, F. G., Jr. (reviewer).** Soil organic matter and its role in crop production [book review] 11(4): 329-330

1306 **Vijarnsorn, P.; and Fehrenbacher, J. B.** Characteristics and classification of three granite-derived soils in peninsular Thailand 9(2): 105-118

1307 **Vink, A. P. A. (reviewer).** Aerial survey and integrated studies [book review] 2(1): 80

1308 **Vinkler, P.; Lakatos, B.; and Meisel, J.** Infrared spectroscopic investigations of humic substances and their metal complexes 15(3): 231-242

1309 **Violante, A.; and Jackson, M. L.** Clay influence on the crystallization of aluminum hydroxide polymorphs in the presence of citrate, sulfate or chloride 25(3-4): 199-214

1310 **Violante, A.; and Violante, P.** Interactions between H-bentonite and aluminous chlorite-like complexes 21(2): 147-159

1311 **Violante, P.; and Wilson, M. J.** Mineralogy of some Italian Andosols with special reference to the origin of the clay fraction 29(2): 157-174

1312 **Virgo, K. J.; and Holmes, D. A.** Soil and landform features of mountainous terrain in South Thailand 18(3): 207-225

1313 **Virgo, K. J.; and Munro, R. N.** Soil and erosion features of the Central Plateau region of Tigral, Ethiopia 20(2): 131-157

1314 **Visser, S. A.; and Caillier, M.** Observations on the dispersion and aggregation of clays by humic substances; I, Dispersive effects of humic acids 42(3-4): 331-337

1315 **Volobuyev, V. R.** Main concepts of soil ecology 12(1-2): 27-33

1316 **von Buch, M. W.** Mikromorphologische Untersuchungen von Strukturelementen und Kieselsäurebildungen in älteren vulkanischen Böden der Collipulli-Serie, Frontera (Südchile) [Micromorphologic investigations of structure elements and siliceous accumulations in older volcanic soils of the Collipulli Series, Frontera, southern Chile] 1(3-4): 249-275

1317 **Voronin, A. D.** The energy state of soil moisture as related to soil fabric 12(1-2): 183-189

1318 **Vreeken, W. J.** Soil-landscape chronograms for pedochronological analysis 34(2): 149-164

1319 **Wada, K.; Kakuto, Y.; and Muchena, F. N.** Clay minerals and humus complexes in five Kenyan soils derived from volcanic ash 39(4): 307-321

1320 **Wada, K.; and Kawano, T.** Use of Jeffries acid oxalate treatment in particle-size analyses of Ando soils 20(3-4): 215-224

1321 **Wada, K.; and Tokashiki, Y.** Selective dissolution and difference infrared spectroscopy in quantitative mineralogical analysis of volcanic-ash soil clays 7(3-4): 198-213

1322 **Wada, K.; and Wada, S.** Clay mineralogy of the B horizons of two Hydrandepts, a Torrox and a Humitropept in Hawaii 16(2): 139-157

1323 **Walker, T. W. (reviewer).** Nitrogen, phosphorus and sulphur; global cycles [book review] 20(3-4): 307

1324 **Walker, T. W.; and Syers, J. K.** The fate of phosphorus during pedogenesis 15(1): 1-19

1325 **Wang, C.; Ross, G. J.; and Arduino, E.** Iron oxides and clay minerals with profiles as indicators of soil age in northern Italy [discussion and reply] 42(2): 189-191

Wang • Wiklander

1326 **Wang, C.; Ross, G. J.; Torrance, J. K.;** *et al.* The formation of podzolic B horizons and pedogenic imogolite as influenced by microrelief within a pedon 50(1-2): 63-77

1327 **Wang, C.; Schuppli, P. A.; and Ross, G. J.** A comparison of hydroxylamine and ammonium oxalate solutions as extractants for Al, Fe and Si from Spodosols and Spodosol-like soils in Canada 40(3-4): 345-355

1328 **Wang, J. S. Y.; and Narasimhan, T. N.** Fluid flow in partially saturated, welded-nonwelded tuff units 46(1-3): 155-168

1329 **Warne, S. S. J. (reviewer).** Thermal analysis of minerals [book review] 21(3): 245-246

1330 **Warren, A.** Some vegetation patterns in the Republic of the Sudan [discussion] 9(1): 75-78

1331 **Wasson, R. J.; Hunt, P. A.; and Clarke, M. F.** A re-evaluation of the "silcretes" of the Cobar area, Australia 22(2): 137-159

1332 **Watson, J. P.** Some contributions of archaeology to pedology in Central Africa 2(4): 291-296

1333 **Watson, J. P.** The composition of termite (Macrotermes spp.) mounds on soil derived from basic rock in three rainfall zones of Rhodesia 14(2): 147-158

1334 **Webber, J. (reviewer).** Soil testing and plant analysis [book review] 3(4): 329-330

1335 **Weber, H. W.; and Van Rooyen, P. C.** Polysaccharides in molasses meal as an ameliorant for saline-sodic soils compared to other reclamation agents 6(4): 233-253

1336 **Weir, A. H.; Catt, J. A.; and Madgett, P. A.** Postglacial soil formation in the loess of Pegwell Bay, Kent (England) 5(2): 131-149

1337 **Wells, N.** The properties of New Zealand soils in relation to effluent disposal 10(1-2): 123-130

1338 **Wells, N.; and Northey, R. D.** Strengths of a Densipan, Humus-pan and Clay-pan in a Spodosol developed under kauri (Agathis australis) and the implications for soil classification 35(1): 1-13

1339 **West, L. T.; Drees, L. R.; Wilding, L. P.;** *et al.* Differentiation of pedogenic and lithogenic carbonate forms in Texas 43(2-3): 271-287

1340 **West, N. E. (reviewer).** Desert vegetation of Israel and Sinai, [book review] 35(3): 261-262

1341 **Westerveld, G. J. W.; and Van den Hurk, J. A.** Application of soil and interpretive maps to non-agricultural land use in the Netherlands 10(1-2): 47-65

1342 **Westfall, D. G.; Moodie, C. D.; and Cheng, H. H.** Effects of drying and wetting on extractable aluminum in strongly acid soils and in aluminum-saturated clays 9(1): 5-13

1343 **Whelan, B. R.** Mineral phosphate precipitates from septic-tank effluent, Perth (Australia) 39(2): 125-139

1344 **Wickens, G. E. (reviewer).** Terrain classification and evaluation [book review] 6(2): 151

1345 **Wickens, G. E.; and Collier, F. W.** Some vegetation patterns in the Republic of the Sudan 6(1): 43-59

1346 **Wieder, M.; and Yaalon, D. H.** Effect of matrix composition on carbonate nodule crystallization 11(2): 95-121

1347 **Wieder, M.; and Yaalon, D. H.** Micromorphological fabrics and developmental stages of carbonate nodular forms related to soil characteristics 28(3-4): 203-220

1348 **Wielemaker, W. G.** The importance of variable change due to amorphous siliceous clay constituents in some soils from Kenya 32(1): 9-20

1349 **Wielemaker, W. G.; and Wakatsuki, T.** Properties, weathering and classification of some soils formed in peralkaline volcanic ash in Kenya 32(1): 21-44

1350 **Wiklander, L.** The content of mercury in Swedish ground and river water 3(1): 75-79

1351 **Wiklander, L.** The role of neutral salts in the ion exchange between acid precipitation and soil 14(2): 93-105

1352 **Wiklander, L.; and Andersson, A.** The replacing efficiency of hydrogen ion in relation to base saturation and pH 7(3-4): 159-165

1353 **Wiklander, L.; and Vahtras, K.** Solubility and uptake of heavy metals from a Swedish soil 19(2): 123-129

1354 **Wilcox, B. P.; Allen, B. L.; and Bryant, F. C.** Description and classification of soils of the high-elevation grasslands of central Peru 42(1): 79-94

1355 **Wild, A.; and Mazaheri, A.** Prediction of the leaching rate of boric acid under field conditions 22(2): 127-136

1356 **Wilding, L. P. (reviewer).** Micromorphological features of soil geography [book review] 7(1-2): 137-138

1357 **Wilke, B.; and Zech, W.** Mineralogies of silt and clay fractions of twelve soil profiles in the Bolivian Andes (Callavaya region) 39(3): 193-208

1358 **Wilke, B. M.; Mishra, V. K.; and Rehfuess, K. E.** Clay mineralogy of a soil sequence in slope deposits derived from Hauptdolomit (dolomite) in the Bavarian Alps 32(2): 103-116

1359 **Wilke, B. M.; and Schwertmann, U.** Gibbsite and halloysite decomposition in strongly acid podzolic soils developed from granitic saprolite of the Bayerischer Wald 19(1): 51-61

1360 **Wilkinson, G. E.; and Aina, P. O.** Infiltration of water into two Nigerian soils under secondary forest and subsequent arable cropping 15(1): 51-59

1361 **Willatt, S. T.** Changes in water content in and under frozen soil in Iowa, U. S.A. 22(4): 323-331

1362 **Williams, C.; and Brown, G.** Uranium content of peaty soils rich in molybdenum and selenium from Co. Limerick, Eire 6(3): 223-225

1363 **Williams, C.; and Yaalon, D. H.** An experimental investigation of reddening in dune sand 17(3): 181-191

1364 **Wilson, G. V.; Jardine, P. M.; Luxmoore, R. J.;** *et al.* Hydrology of a forested hillslope during storm events 46(1-3): 119-138

1365 **Wilson, M. A.; Barron, P. F.; and Goh, K. M.** Differences in structure of organic matter in two soils as demonstrated by ^{13}C cross polarisation nuclear magnetic resonance spectroscopy with magic angle spinning 26(4): 323-327

1366 **Wilson, M. J.** Exchange properties and mineralogy of some soils derived from lavas of Lower Old Red Sandstone (Devonian) age; II, Mineralogy 15(4): 289-304

1367 **Wilson, M. J.; and Logan, J.** Exchange properties and mineralogy of some soils derived from lavas of Lower Old Red Sandstone (Devonian) age; I, Exchangeable cations 15(4): 273-288

1368 **Wissa, A. E. Z. (reviewer).** The penetrometer and soil exploration [book review] 13(4): 377-378

1369 **Wösten, J. H. M.; and Bouma, J.** Using simulation to define moisture availability and trafficability for a heavy Clay soil in the Netherlands 35(3): 187-196

1370 **Wright, M. J.** The preparation of soil monoliths for the Ninth international congress of soil science, Adelaide, 1968 5(2): 151-159

1371 **Wright, R. L.; and Wilson, S. R.** On the analysis of soil variability, with an example from Spain 22(4): 297-313

Xie • Zaidelman

1372 **Xie, R. J.; and MacKenzie, A. F.** Molybdate sorption-desorption in soils treated with phosphate 48(3-4): 321-333

1373 **Yaalon, D. H. (reviewer).** Soils of the desert zone of the U. S.S.R. [book review] 3(2): 176-179

1374 **Yaalon, D. H. (reviewer).** Soils of the Great Konya Basin, Turkey; Highly calcareous lacustrine soils in the Great Konya Basin, Turkey; Soil salinity and alkalinity in the Great Konya Basin, Turkey; Soil fertility in the Great Konya Basin, Turkey [book review] 8(4): 297-300

1375 **Yaalon, D. H. (reviewer).** Soils of the Kucuk Menderes Valley, Turkey [book review] 10(4): 308-309

1376 **Yaalon, D. H.** Conceptual models in pedogenesis; can soil-forming functions be solved? 14(3): 189-205

1377 **Yaalon, D. H. (reviewer).** Applied geomorphology; a perspective of the contribution of geomorphology to interdisciplinary studies and environmental management [book review] 21(3): 247-249

1378 **Yaalon, D. H. (reviewer).** Quaternary soils [book review] 23(2): 158-160

1379 **Yaalon, D. H. (reviewer).** Residual deposits; surface related weathering processes and materials [book review] 34(3-4): 320-322

1380 **Yaalon, D. H. (reviewer).** Ecosystems of the world; Vol. 12A, Hot deserts and arid shrublands [book review] 39(2): 165-167

1381 **Yaalon, D. H. (reviewer).** Bodengesellschaften des Vorderen Orients [Soil associations in the Near East; book review] 48(1-2): 181-182

1382 **Yaalon, D. H. (reviewer).** Vorderer Orient. Boeden. 1:8 Mill [Near East soils, 1:8,000,000; book review] 48(1-2): 181-182

1383 **Yaalon, D. H.; Brenner, I.; and Koyumdjisky, H.** Weathering and mobility sequence of minor elements on a basaltic pedomorphic surface, Galilee, Israel 12(3): 233-244

1384 **Yaalon, D. H.; Jungreis, C.; and Koyumdjisky, H.** Distribution and reorganization of manganese in three catenas of Mediterranean soils 7(1-2): 71-78

1385 **Yaalon, D. H.; and Kalmar, D.** Vertical movement in an undisturbed soil; continuous measurement of swelling and shrinkage with a sensitive apparatus 8(4): 231-240

1386 **Yarilova, E. A.; and Rubilina, N. E.** Comparative micromorphology of soddy-podzolic soils derived from loamy moraine and non-calcareous loess-like loam 15(2): 157-169

1387 **Yariv, S.** Comments on the mechanism of soil detachment by rainfall 15(5): 393-399

1388 **Yonebayashi, K.; and Hattori, T.** A new fractionation of soil humic acids by adsorption chromatography 47(3-4): 327-336

1389 **Yost, R. S.; and Fox, R. L.** Partitioning variation in chemical properties of some Andepts; a comparison of classification systems 29(1): 13-26

1390 **Youd, T. L. (reviewer).** The surface of the Earth; an introduction to geotechnical science [book review] 39(4): 361-362

1391 **Youngs, E. G. (reviewer).** Soil water [book review] 9(1): 80

1392 **Zachariae, G.** Der Einsatz mikromorphologischer Methoden bei bodenzoologischen Arbeiten [The use of micromorphological methods in soil zoology research] 1(3-4): 175-195

1393 **Zaidelman, F. R.** Neubildungen hydromorpher Mineralböden der UdSSR, ihre Klassifikation und diagnostische Bedeutung [Neoformations in hydromorphic mineral soils of the USSR; classification and diagnostic significance] 12(1-2): 121-135

1394 **Zauyah, S.; and Bisdom, E. B. A.** SEM-EDXRA investigation of tubular features and iron nodules in lateritic soils from Malaysia 30(1-4): 219-232

1395 **Zayach, S. J.** Soil surveys; their value and use to communities in Massachusetts 10(1-2): 67-74

1396 **Zech, W.; Hempfling, R.; Haumaier, L.;** *et al.* Humification in subalpine Rendzinas; chemical analyses, IR and ^{13}C NMR spectroscopy and pyrolysis-field ionization mass spectrometry 47(1-2): 123-138

1397 **Zein el Abedine, A.; and Robinson, G. H.** A study on cracking in some Vertisols of the Sudan 5(3): 229-241

1398 **Zhang, X. N.; Zhang, G. Y.; Zhao, A. Z.;** *et al.* Surface electrochemical properties of the B horizon of a Rhodic Ferralsol, China 44(4): 275-286

1399 **Zhu Xianmo; Li Yushan; Peng Xianglin;** *et al.* Soils of the loess region in China 29(3): 237-255

1400 **Ziechmann, W.** Über die Elektronen-Donator- und Acceptor-Eigenschaften von Huminstoffen [The electron donor- and acceptor properties of humic substances] 8(2-3): 111-131

1401 **Ziechmann, W.** Können Zeitabfolgen im Humifizierungsprozess erfasst werden? [Are chronological orders in humification comprehensible?] 17(4): 303-314

1402 **Ziechmann, W.; and Kress, B.** Über Elektronenzustände einer endoxydierten Synthesehuminsäure in wässriger Lösung [Electron energy states of synthetic humic acids in aqueous solutions] 17(4): 293-301

1403 **Zonn, I. (reviewer).** In Memoriam, N. C. Cernescu et M. Popovat [In Memoriam, N. C. Cernescu and M. Popovat; book review] 6(3): 227-229

1404 **Zucker, A.; and Zech, W.** Sulfur status of four uncultivated soil profiles in northern Bavaria 36(3-4): 229-240

1405 **Zyrin, N. G.; Gavva, L. I.; Sokolova, T. A.;** *et al.* Clay minerals in yellow-podzolic soils of western Georgia 12(1-2): 83-89

INDEX

Abdel-Hamid, N E 0001
Abdel-Kader, F H 0001
Abdulla, O H D 0827
Abreu, M M 0002
Abrol, I P 0003 0004 1175
Acharya, C L 0005
Action, C J 0793
Acton, D F 0307
Adams, J A 0006 0007
Addiscott, T M 0008
Adeoye, K B 0009
Agassi, M 0010 0011
Agrawal, R P 0012
Ahmed, B 0013
Ahmed, F 0014 0626 0627
Aina, P O 1360
Aisenstein, B 0015
Aitchison, G D 0016
Ajmone Marsan, F 0017 0055
Akeson, M 0018
Al-Awajy, M H 0539 0644
Al-Jaloud, A 0098
Al-Mashhady, A S 0097
Alexander, E B 0019 0020
Alexander, M J 0021
Alexandrova, I V 0666
Aliyev, G A 0022
Allard, B 0023
Allbrook, R F 0024
Allemeier, K A 0025
Allen, B L 1354
Alloway, B J 0026
Almendros, G 0027 0028
Almorza, J 0335
Alonso, J J 0232
Alperovitch, N 0029 0724
Altemueller, H J 0030
Altschaeffl, A G 0031
Amacher, M C 0032
Amadi, T H 0569
Ambrost, J P 0033
Amiel, A 0085
Ammosova, Y M 0914
Amoozegar, A 1085
Amundson, R G 0034
Anamosa, P R 0035
Anand, R R 0036 0779
Anderson, A J B 0848
Anderson, D W 0037 0485 0793
Anderson, H A 1293
Anderson, M G 0038
Anderson, S H 0039
Andersson, A 0701 1352
Andre, C 0595
Andreini, M S 0040 1183
Andriesse, J P 0041 0042 0043
Andriesse, W 0044 1086
Angino, E E 0045
Anonymous 0046 0047 0048 0049
Arai, S 0050 0051 0052 0053 0054
Ardakani, M S 1189
Arduino, E 0017 0055 0056 0057 1325
Arduino, E B 0020
Argyriadis, G A 0058
Aristovskaya, T V 0059
Armitage, T M 0065 0730
Arnold, P W 0060 0061 0062
Arshad, M A 0063
Asamoa, G K 0064
Ashaye, T I 0907
Asmussen, L E 0732
Asumadu, K 0065
Atkinson, D 0066
Auerswald, K 0067
Augustinus, P G E F 0068
Aurousseau, P 0069
Avogadro, A 0125
Awadhwal, N K 0070
Azuma, J 0452
Babel, U 0071 0072 0073 0074
Bach, R 1191
Bache, B W 0075
Bacon, J R 1255
Baeumer, K 0390
Bailly, F 0030 0524
Bain, D C 0076 0077
Baize, D 0078 0079 0080
Baker, H G 0081
Bal, L 0082 0083
Balesdent, J 0979
Ball, B C 0084
Banfield, C F 0096
Banin, A 0085 0246 1221
Barberis, E 0017 0055 0056 0057
Barratt, B C 0086 0087 0088
Barron, P F 1365
Barrow, N J 0089 0090 0091 0092
Bartenfelder, D C 0093
Bartoli, F 0094 0095
Baruah, T C 1153
Bascomb, C L 0096
Bashour, I I 0097 0098
Basso, L 0023
Batlle, J 0497
Bauer, K W 0099
Bäumler, R 0100
Beatty, M T 0101
Beauvais, A 0863
Beavers, A H 0349
Becher, H H 0102
Beckett, P H 0537
Beckmann, G G 0103
Beckmann, H 0512
Beckmann, W 0104
Beemster, J G R 0187
Begon, J C 0935
Behra, P 0105
Beinroth, F H 0106 0107 0108
Belgy, G 0116
Bel Hadj Brahim, A 0166
Ben-Dor, E 1142
Benayas, J 0232 1242
Bennema, J 0109
Bennett, J G 0110
Berdanier, C R 0111
Berg, R C 0112
Berger, P 0409
Berrier, J 1185
Berrow, M L 0113 0114 0115 0994 0995 1255
Berthelin, J 0116
Besoain, E 0121
Besoain Monasterio, E 0117 0118 0119 0120
Beutelspacher, H 0429
Beven, K J 0560
Beyer, L 0122
Bhandari, G S 0123 0852
Bhargava, G P 1106
Bhavanarayana, M 0124
Bhumbla, D R 0004 1019
Bialopiotrowicz, T 0592
Bidini, D 0740
Bidoglio, G 0125
Bigham, J M 0893 0989
Bilinski, B 0592
Birch, B P 0126
Birkeland, P W 0127
Birnie, A C 0128
Bisdom, E B A 0129 0130 0131 0132 0133 0134 0135 0136 0259 0585 0915 1087 1394
Bishop, P M 0137
Black, A S 0953
Black, C C , Jr 0138
Blackburn, M 0139
Blackith, R E 0140
Blackwell, R J 0141
Blank, R R 0142
Blasco, M L 0143 0144
Blaser, P 0145
Bleeker, P 0146 0147 0148 0502 0503
Blokhuis, W A 0149 0150
Bloom, S A 0767
Blue, W G 0035
Blume, H P 0122
Bobritzkaya, M A 0151 0152
Bochter, R 0153
Bockheim, J G 0154 0155 0156 0157
Bocquier, G 0850 1223
Bodine, S M 1297
Boehm, W 0390
Boekestein, A 0129
Boero, V 0056 0158
Boersma, O 0585
Boersma, O H 0669
Bohn, H L 0159
Bohn, R K 0159
Boiffin, J 0189
Bolt, G H 0517 0518
Bond, R D 1226
Borchert, H 0160
Borggaard, O K 0161 0162

Borochovitch, A 0246
Borovskiy, V M 0163
Borovsky, V M 0163
Borrero, C 0164
Bottner, P 0165
Boudewijn, P R 0131
Boudot, J 0166
Bouille, S 0069
Boulange, B 0268
Bouleau, A 0979
Bouma, J 0101 0167 0168 0169 0170 0171 0172 0173 0188 0342 0344 0669 0788 1184 1283 1296 1298 1299 1369
Bourbeau, G 0419
Bourbeau, G A 0139
Bourg, A C M 0174 0175
Bourgeat, F 1003
Boyle, J R 0176 0177
Bracewell, J M 0178 0179 0180
Bradley, R I 0181
Brammer, H 0182 0183 0184
Bravard, S 0185 0186
Bregt, A K 0187 0188
Brenner, I 1383
Bresson, L M 0189 0858
Brewer, R 0190 0191 0192
Brigode, N 1010
Brinkman, R 0184 0193 0194 0195
Bronger, A 0196 0197 0198
Brook, A J 0199
Brook, R H 0200
Brooks, J 0201
Brown, G 1362
Brown, J K 0533
Bruand, A 0428
Bruce, J G 0202
Bruce, R R 0203
Bruckert, S 0204 0614
Bruggenwert, M G M 0205
Bruins, H J 0206
Brümmer, G 0207 0208 0726 1236 1237
Brussaard, L 0209 0210
Brusseau, M L 0211
Bryan, R B 0212 0213
Bryant, F C 1354
Buckley, D E 0990
Bui, E N 0214
Bullock, P 0215 0858
Bunting, B T 0216
Bunzl, K 1075 1076
Buol, S W 0996 1059
Burger, R d T 1181 1182
Buringh, P 0217 0218
Burtin, G 0094
Burton, R G O 0096
Busacca, A J 0219 0220 0221 0568
Bussetti, S G d 1249
Buurman, P 0222 0223
Buyanovsky, G 0224
Cabedo, A 1243
Cabrera, F 0225
Cai, Q G 0739
Caillier, M 0139 0226 0227 0455 1314
Calembert, L 0228 0229
Callebaut, F 0230
Cameron, K C 0953
Campbell, A S 0006 0313 0314 0521
Campbell, G D 0453
Campbell, I B 0231
Canepa, A P 1030
Carbajal, H 0232
Carballas, T 0842
Cardona, F 0335
Carmer, S G 0910
Carraro, F 0057
Carrasco, M A 0813
Carter, B J 0233 0632
Carvalho Cardoso, J 0234 0235
Cary, J W 0236
Casas, J 0497
Cassel, D K 0507
Catt, J A 1336
Chadwick, O A 0034
Chameau, J L 0237
Chapelle, J 0814
Charpentier, S 0069
Chartres, C J 0238 0239 0240 0241 0242 0243 0843
Chaudhry, I A 0244
Chauve, P 0763
Chauvel, A 0245
Chen, C C 0478
Chen, H 0739
Chen, Y 0246 0247 1221
Cheng, H H 1342
Chernyakhovskiy, A G 0248
Chernyakhovsky, A G 0248
Chesworth, W 0249 0250
Childs, C W 0251 0252 0253 0923
Childs, E C 0254
Chilingar, G V 0255
Chittleborough, D J 0256 0257 0258 0898 0899
Chizhikova, N P 0248
Chone, T 0166
Chretien, J 0259
Christmann, A 0074
Chubarova, M A 1122
Churchman, G J 0260 0924
Churchward, H M 0065
Ciolkosz, E J 0233
Claridge, G G C 0231 0261
Clark, F 0262
Clark, F E 0263 0264 1217
Clarke, M F 1331
Clayden, B 0265 0925
Clayton, P M 0208
Coates, K A 1161
Coen, G 0266
Cole, C V 0780
Cole, G E D 0267
Coleman, C S 0949
Coleman, D C 1074
Colin, F 0268
Collier, F W 1345
Collins, J F 0269 0270
Collins, K 0271
Collins, M E 0272
Collis-George, N 1157
Colombo, U 0273
Conacher, A J 0274
Conry, M J 0275
Cook, L G N 0503
Cooper, T H 0276 0277
Coote, D R 0457
Cornfield, A H 0143 0144 0244 0278 0968
Cortes, A 0279
Cortez, J 0280
Corwin, D L 0281
Cosby, B J 0282
Costa, F 0546
Cottenie, A 0283 0967
Coudé-Gaussen, G 0284
Coulter, J K 0285
Courty, M A 0286
Couto, W 1059
Coventry, R J 0287
Crampton, C B 0288 0289
Csillag, J 0306
Curmi, P 0069 0129 0355
Curtin, D 0290 0291
Cutler, E J B 0006 0313 0314
Daccord, G 0292
Dahiya, I S 0003
Dahlgren, R A 0293 0294
Dalrymple, J B 0274 0295 0296 0297 0298
Dalsgaard, K 0883 0884 0888
Dalton, F N 0299 1279
Daly, B K 0300 1104
Dambrine, E 0988
Dan, J 0029 0301 0302 0303 0391 1162 1163
Dan, Y 0729
Daniels, R B 0304 0305
Darab, K 0306
Darmendrail, D 0174
Dasberg, S 0400
Dasog, G S 0307
Daudet, F A 0005
Davey, B G 0308
David, M B 0309
Davies, B E 0026 0310 0311 0312 0605 0606
Davis, J L 1241
Dawson, B S W 0313 0314
de Arambarri, P 0225 0752
de Bakker, H 0315 0316 0317 0318 0319 0320 0321
de Boodt, M 0230 0528 1053
De Bussetti, S G 0322
de Coninck, F 0323 0324 0325 0326 0327 0328 0329 0330 0551 0590 1011
DeGloria, S D 0944
de Grefte, H A M 0131
de Gruijter, J J 1283
De Jong, E 0331 0332 0938
Dejou, J 0334 0746
DeKeyser, A 0340
de Kimpe, C 0333
de Kimpe, C R 0334 0419 0703 0801
Dekker, L W 0169 0170 0171 0341 0342
de la Rosa, D 0335
Delaune, M 0979
Delvaux, B 0343
Denning, J L 0344
Dent, D 0345 0346 0347 0348
De Petre, A A 1185
Deshpande, S B 0349 0350 0917
de Smedt, F 0336
de Villiers, J M 0337 0338
Devi Prasad, J 0097 0098
de Vries, D 1284
De Weerd, M D 0341
Dewey, B W 0908
de Wit, C T 0339
Dexter, A R 0351
Dhanpal 1292
Dhillon, K S 0352 0353 1151
Dhillon, S K 0352 0353 1151
D'Hoore, J 0354 0365
Diab, M 0355
Dick, W A 0356
Dijkerman, J C 0357 0358 0359 0360 0361
Dimo, V N 0362
Dinel, H 0720

Ding • Harsh

Ding, C P 0363
Dissanayake, C B 0364
Dixit, S P 0365
Dixon, J B 0478
Dobrovol'skiy, G V 0675
Doner, H E 0034 0523
Donkin, M J 0366
Dormaar, J F 0367 0368
Douglas, I 0369
Douglas, J T 0370
Douglas, L A 0736 0950 0951
Douglass, J 0371
Dowling, P S 1218
Drees, L R 0372 0373 1339
Drijber, R A 0374 0375
Driscoll, C T 0309
Duchaufour, P 0376 0377
Duckham, A N 0378
Ducloux, J 0130
Dudal, R 0379 0380 0381
Dudas, M J 0382 0383 0384 0476
Dudley, R L 0970
Duthie, D M L 0077
Easterwood, G W 0385
Eden, D N 0923
Eden, M J 0482
Edil, T B 0386
Edwards, W M 0387
Egashira, K 0388
Ehlers, W 0389 0390
Eilers, R G 0788
Eisenberg, J 0391
Ekpete, D M 0392
Elkin, Y N 0777 1082
Ellies, A 0393 0394 0525 0526
Ellis, B G 0395
Ellis, S 0396 0519
Eltantawy, I M 0397
Elwell, H A 0398
Embrechts, J 0399
Endo, H 0815
Enoch, H 0400
Enwezor, W O 0401
Eschena, T 0402
Escudey, M 0403
Espejo Serrano, R 0404
Esu, I E 0823 0824
Eswaran, H 0405 0406 0407 0877
Evans, C V 0408
Ewald, M 0409
Eysvogel, W F 0410
Fahey, B D 0411
Falayi, O 0344
Faller, N 0412
Fanning, D S 0413
Farmer, V C 0414
Farnham, R S 0415
Fassbender, H W 0416 0417 0418
Fastovsky, D E 0798
Favrot, J C 0788
Fayemi, A A A 0907
Fedoroff, N 0286 0419 0939 1232
Fedorova, N M 0420
Fedorova, N N 0421
Fehrenbacher, J B 0349 0350 1306
Feigenbaum, S 0422 0722
Feijtel, T C 0423
Feijtel, T C J 0612
Felix, C 0988
Feller, C 0979
Fergusson, J E 0313 0314
Fernandez Caldas, E 0424
Fewson, C A 0425
Fey, M V 0366
Feyen, J 1301
Fezer, F 0426
Field, J B F 0576
Fields, M 0427
Fiès, J C 0428
Filip, Z 0429 0430
Fine, P 0431
Finkl, C W , Jr 0432
Firman, J B 0433
Fischer, W R 0853 1100
Fisher, G C 0434
Fisher, P F 0435
Fisher, R F 0436
FitzPatrick, E A 0437
Fitzpatrick, R W 0438 0602
Flach, K W 0878
Fleming, P M 0439
Flühler, H 0440 1090 1091 1108
Fobian, A 0741
Fölster, H 0441
Fordham, A W 0442
Forno, M G 0057
Förster, R 0443
Fosberg, M A 0142
Foster, R C 0602
Fournier, B 1232
Fox, C A 0974
Fox, R L 0444 1291 1389
Franchini, M 0055
Francis, C W 0723
Franco, M A 0460
Frankart, R 1266
Frankena, H J 0445
Franklin, W T 0984
Franz, H 0446
Franzmeier, D P 0279 0408
Fraser, A R 1038 1039 1040 1293
Frei, E 0447 0448
Frenkel, H 0449
Fridland, V M 0450
Frisby, J C 0451
Frossard, E 1179 1234
Fujitake, N 0452
Furkert, R J 0252
Fyfe, C A 0970
Gabriels, D 0230
Galicia, H F 0453
Galindo, G 0403
Galindo, G G 0454
Gallichand, J 0455
Galloway, J N 0282
Galstian, A S 0456
Gamble, E E 0304 0305
Gamm, S A 0312
Gandhi, A P 0919
Gantzer, C J 0039
Garcia Vicente, J 0232
Gavva, L I 1405
Gayoso, J 0394
Gebhardt, H 1070
Gelaude, F 0551
Geng, G Q 0457
Gerasimov, I P 0458
Germann, P F 0560 1280
Gerstl, Z 0449
Gerth, J 1236 1237
Gessa, C 0459 0460
Geyger, E 0461
Ghabru, S K 0462
Gheyi, H R 0463 1266
Ghosh, K 0464
Giani, D 0465
Giani, L 0465
Gibbons, F R 0584
Gibson, A R 0717
Giddens, J E 1219
Gil-Sotres, F 1247
Gilbert, T W 0642 0643
Gilkes, R J 0036 0065 0432 0466 0730 0779
Gillott, J E 0467
Giltrap, D J 0468 0469
Gingle, A R 0732
Gish, T J 0470
Gjessing, E T 0905
Glasby, G P 0471
Glazovskaya, M A 0472
Glebko, L I 0775
Glebova, G I 0914
Glogoczowski, J J 0473
Goh, K M 0474 0475 1365
Goh, T B 0476
Gold, H J 0477
Golden, D C 0478
Goltz, H v d 0635
Gombeer, R 0365
González-Vila, F J 0027 0028 0479
Goss, D W 0480
Gourgout, J M 0131
Gradl, J 0513
Gradusov, B P 0248 0481
Grandjouan, G 0165
Grant, C D 0492
Gräser, H 0541
Green, C P 0482
Green, P 0483
Greene-Kelly, R 0484
Greene, R S B 0843
Greenhill, N B 0951
Greenland, D J 0839
Gregorich, E G 0485
Grieve, I C 0486
Griffith, M A 0487 0488
Griffith, S M 0489
Grim, R E 0490
Grimme, K 0390
Grimshaw, R W 0543
Groenevelt, P H 0491 0492
Groenneberg, T 0906
Grossman, R B 0111 0788
Guidi, G 0493 1111
Guignard, J 0494
Guiking, F C T 0593
Guillet, B 0226 0495 0596 1096
Guindi, B 0508
Guitian-Ojea, F 0842 1247
Gulisashvili, V 0496
Gumuzzio, J 0497
Gupta, R K 0498
Gury, M 0226
Guseva, M I 1405
Guyon, A 0586
Guzel, N 0499
Haans, J C F M 0170 0500
Haantjens, H A 0501 0502 0503
Hadas, A 0504 1162 1163
Haider, K 0429 0808 1052 1396
Haidouti, C 0505 0506
Hajrasuliha, S 0507
Hall, G F 0893 1106
Hall, R D 1030
Hallberg, R O 0582
Halm, A T 0623
Hamasaki, T 0452
Hamdi, H 0508
Hamid, K S 0509
Hamilton, H 0738
Hanks, R J 0510 0511
Hanna, F S 0512
Hantschel, R 0513
Haque, I 0514
Harapiak, J T 0476
Harden, J W 0515 0516
Hardie, H G M 0848
Harmsen, K 0517 0518
Harris, C 0519
Harris, S 0520
Harris, W G 0385
Harrison, R 0521 0522
Harsh, J B 0523

Hartge, K H 0524 0525 0526 0527
Hartmann, E H 0987
Hartmann, R 0528
Hartung, J 0541
Hatano, R 0529 0530
Hattori, T 1388
Hauffe, H K 1235
Hauhs, M 0531
Haumaier, L 1396
Hayashi, K 1291
Hayden, C W 0236
Hayes, M H B 0532 0533
Haynes, R J 0534 0535 0536
Hazelden, J 0537
Hazlett, P W 0538
Heakal, M S 0539
Heath, R T 0540
Heinkele, T 0197
Heintzberger, G 0136
Helbig, B 0541
Helling, C S 0470
Helmy, A K 0542
Hempfling, R 1092 1396
Heng Yeow Yew 0407
Henstra, S 0131
Herath, J W 0543
Herbillon, A J 0033 0094 0340 0343 0544 0597 0614 0737 0863 1177 1178
Herms, U 0208
Hern, J A 0545
Hernández, T 0546
Hernando, V 0547
Herriman, R C 0548
Herwig, K 0412
Herzer, J 0549
Heuberger, H 0100
Heys, P J 0008
Higashi, T 0550 0551 0552
Hijdra, R D W 0209
Himmelsbach, D 0732
Hodgen, M J 1172
Hoffman, D W 0790
Hole, F D 0173 0553 0554
Holford, I C R 0555 0556
Hollis, J M 0557
Holmes, D A 1312
Holzhey, C S 0877
Hoogerwerf, M 1184
Hopkins, D M 0558
Hoque, M S 0559
Horn, R 0513
Hornberger, G M 0282 0560
Horton, K A 1074
Horton, R 0660
Hossner, L R 1233
Huang, P M 0561 0686
Huang, W H 0562
Huddleston, J H 0563
Hudnall, W H 0607
Huggett, R J 0250 0564
Hughes, J C 0565
Huising, E J 1296
Huizing, H G J 0566
Humphreys, G S 0812
Hundal, S S 0971
Hunt, P A 0567 1331
Hunter, C R 0568
Hunter, R 0084
Hussain, M S 0569
Ikawa, H 0894
Ildefonse, P 0570
Imeson, A C 0571
Ingestad, T 0572
Iñiguez, J 0573
Inkson, R H E 0574 0848
Isbell, R F 0575 0576
Ishizuka, Y 0577 0578 0579
Iskandar, I K 0032
Islam, A 0013 0580 0626 0762
Itoh, M 0816
Ivanov, D N 0581
Ivarson, K C 0582
Jabro, J D 1248
Jacke, P V 1297
Jackman, J 0135
Jackson, M L 0583 0584 0742 0757 1309
Jager, A 0585 0611 0669
Jaillard, B 0586
Jakobsen, B H 0587
Jamagne, M 0588 0589 0590 0935
James, B R 0591
Janczuk, B 0592
Jannakoudakis, D A 0058
Janot, C 0862
Janssen, B H 0593
Jardine, P M 0594 0743 1364
Jarvis, M G 0537
Jauzein, M 0595
Jeanroy, E 0596 0597
Jeanson, C 0598 1185
Jellinek, M 0188
Jensen, R D 0983
Jessup, R W 0599
Jia, Z J 0739
Jim, C Y 0296 0600 0601
Jocteur Monrozier, L 0602
Johnson, K G 0603
Johnson, N M 0604
Jones, D 1039 1040
Jones, J R 0743 1364
Jones, K C 0605 0606
Jones, R C 0607
Jones, R J A 0557
Jongerius, A 0109 0132 0608 0609 0610 0611 0804 1200 1201
Jongmans, A G 0172 0195 0423 0612 1295
Jorgensen, P 0613 0992
Jouaffre, D 0614
Judson, S 0615
Jungerius, P D 0842
Jungreis, C 1384
Juo, A S R 0616
Kaemmerer, M 0617
Kakuto, Y 0924 1319
Kalbande, A R 0917
Kalk, E 0198 0441
Kallianou, C 0674
Kallianou, C S 0618 0619 0620
Kalmar, D 1385
Kämpf, N 0621
Kamphorst, A 0622
Kanabo, I A K 0623
Karamanos, R E 0624
Karathanasis, A D 0093
Karavayeva, N A 0625
Karim, M 0626 0627
Karpachevskiy, L O 0628
Karpoff, A M 0862
Kastner, M 0629
Kato, T 1050
Kato, Y 0630
Katyal, J C 0631
Kaufman, A 0753
Kaup, B S 0632
Kaupenjohann, M 0513
Kavanagh, B V 0633
Kawano, T 1320
Kawasaki, I 0817
Kay, B D 0492
Kearney, P C 0470
Keech, M A 0634
Keilen, K 0635
Kellogg, C E 0636 0637
Kemp, R A 0638 0639 0787
Kemper, W D 0640
Kempers, A J 0641
Kerzhentsev, A S 0756
Kesseba, A 1256 1257 1258
Khalaf, K Y 0642 0643
Khalifa, E M 0644
Khan, S U 0645 0646
Khandal, R K 0647
Khanna, P K 0648 1253
Khawlie, M R 0649
Khera, A K 0650
Khosla, B K 0004
Kickuth, R 0651 0652
Kilham, P 0894
Kimber, R W L 0653 0654
King, R B 0655
Kinzelbach, W 0549
Kirkham, D 1109 1248
Kirkman, J H 0864
Kleiss, H J 0656 0657
Klengel, K J 0658
Kline, S W 0659
Kliszcz, A 0592
Klöcking, R 0541
Kluitenberg, G J 0660
Knepper, D H 0661
Knight, M J 0662
Knippenberg, W F 0131
Kodama, H 0663 0664 0789 1079 1080 1081 1326
Koepke, U 0390
Kögel, I 0665
Kononova, M M 0666 1122
Kooistra, M J 0667 0668 0669 0858 1185
Koolen, A J 0670
Koopman, G J 0671
Koppi, A J 0750 1208
Korecz, L 0690
Kosaki, T 0672
Kosmas, C 0673 0674
Kosmas, C S 0895
Kotuby-Amacher, J 0032
Kovda, V A 0675 1265
Kowalinski, S 0611 0676 0677
Koyumdjisky, H 0302 0391 0729 1162 1163 1383 1384
Krasovskaya, N P 0776
Krastanov, S A 1189
Krebs, R 1062
Kress, B 1402
Krishna Murti, G S R 0678 0854 0855 1063
Krizek, R J 0386
Kroonenberg, S B 0842
Kubler, B 0614
Kudeyarova, A Y 0679 0680
Kumada, K 0051 0052 0053 0054
Kumar, D 1150
Kung, K J S 0681 0682
Kurzweil, H 0683
Kusakabe, M 0815 0816 0818
Kussmaul, H 0881
Kutilek, M 0430
Kvaratskheliya, M Z 0680
Kwaad, F J P M 0684 0685
Kwong Ng Kee, K F 0686
Laag, J 0687 0688
Ladd, J N 0602
Lafeber, D 0689
Lagacé, R 0455
Lagas, P 0129
Lakatos, B 0690 0691 1308

Lal • Natale

Lal, R 0692 0693 0694 0695 0696 0697 0698 0699 0700 0880
Lambert, W 0701
Lanfranchi, R 1096
Langdale, G W 0203
Langdon, A G 0943
Langohr, R 0702
Larina, N K 1122
Lasalle, P 0334 0703
Lasik, J 0704
Latham, M 1101 1102
Laura, R D 0705 0706 0707
Lavado, R S 0708
La Ven, R 0431
Laverdière, M R 0334 0703
Leamy, M L 0714
Le Bourdiec, P 0709
Lecomte, P 0268
Ledin, S 0915
Lee, K E 1172
Lee, R 0253 0715 0716 0717
Legros, J P 0718
Lemos, R C 0109
Lenormand, R 0292
Lentz, H 0719
Leonard, R A 0732
Le Riche, H H 0710 0711 0712
Lerner, L A 0581
Le Roux, J 0713
Letsch, A C 0129
Levesque, M 0720
Levy, R 0422 0721 0722 0723 0724
Lewis, D T 1055 1192
Lewis, L A 0725
Lichtfuss, R 0726
Lieth, H 0727
Lindsay, J D 0728
Litaor, M I 0729
Little, I P 0466 0730 0731 0750 0930
Liu, C L 0561
Liu, Z G 0363
Livens, J 1301 1302
Li Yushan 1399
Lobartini, J C 0732
Loch, J P G 0129
Logan, J 1367
Loi, K S 0733
Lord, T M 0793
Lorphelin, L 1012
Loughry, F G 0734
Loveland, P J 0735
Low, A J 0736
Low, E J 0736
Lowe, L E 0374 0375
Lozet, J M 0737
Lüdemann, H D 0479 0719
Luk, S 0213 0738
Luk, S H 0739
Lulli, L 0740
Lund, U 0741
Lundberg, J 0216
Luo Jia Xian 0742
Lustenhouwer, W J 1008
Luxmoore, R J 0594 0743 1364
Lyford, W H 0744
Lytton, R L 0745
Maaskant, P 0195 1294
Macaire, J 0746
MacCarthy, P 0642 0643 0747 1005
MacDonald, K B 0331
MacDonald, R H 0526
Mackenzie, A F 0748 1372
Mackie, L A 0749
Macnish, S E 0750
Macura, J 0751
Madgett, P A 1336
Madrid, L 0225 0752
Maduakor, H O 0616
Magaritz, M 0753
Magier, J 0754
Mahaney, W C 0755
Makeyev, O W 0756
Makumbi, M N 0544 0757
Malgwi, W B 0824
Maling, D H 0758
Malinowski, J 0759 0760
Maliwal, G L 0761 0920
Mandal, R 0580 0762
Mania, J 0763
Mann, L K 0764
Manrique, L A 0765 0766
Mansell, R S 1090
Mansell, R S 0767
Manten, A A 0768
Margrita, R 0595
Margules, C R 0769
Mariotti, A 1096
Marron, D C 0770
Marsman, B A 1283
Martens, D C 0811
Martín, F 0027 0028 0479 0771
Martin, H 0340
Martin, J P 0429 0808 0809
Martin, T C 0772
Maskina, M S 0123
Mathur, S P 0970
Mato, M C 0773
Matsuhisa, Y 0815 0819
Matsui, T 0630
Matthews, B 0774
Mattingly, G E G 0555 0556
Maucorps, J 0590
Maurin, A F 0586
Maximov, O B 0775 0776 0777 1082
Mazaheri, A 1355
Mazroa, M 0097
McBratney, A B 0778 0898 0899
McCrea, A F 0779
McCreery, R A 1220
McGarity, J W 1066
McGill, W B 0780
McGrath, D 0781 0782 0783
McGrath, S P 0784
McHardy, W J 0785
McIntosh, P D 0639 0786 0787
McKeague, J A 0788 0789 0790 0791 0792 0793 0794 0858 1093
McKenzie, R M 0471 0795
McLaren, R G 0796
McLaughlin, J R 0797
McSweeney, K 0798
McTainsh, G 0799
Mees, F 0800
Mehta, S C 0960
Mehuys, G R 0801
Meisel, J 0690 0691 1308
Melkerud, P 0911
Mellor, A 0802
Mendez, J 0773 0803
Mermut, A 0804 0805
Mermut, A R 0307 0462 0806 0974 1234 1235
Merot, P 0355
Merry, R H 0442
Metzger, L 0807
Meuzelaar, H L C 0808 1052
Mew, G 0717
Miano, T 0809
Miedema, R 0195 0361 0423 0612 0858
Migeon, H N 0131
Miles, N M 0790
Miller, J J 1161
Miller, R B 0810
Miller, T 0097
Miller, W P 0811
Millot, G 1223
Mironenko, E V 0959
Mishra, B 0648
Mishra, V K 1358
Mitchell, B D 1159
Mitchell, P B 0137 0567 0812
Mitwally, S E 0508
Mizota, C 0813 0814 0815 0816 0817 0818 0819 0820
Moawad, A M 0821 0822
Moberg, J P 0823 0824 0825
Moh, Z C 0826
Mokma, D L 0584 0827 0828
Mondal, R C 0829
Monteith, J L 0830
Moodie, C D 1342
Moody, P W 0831
Moore, A W 0832 0833 1041
Moore, L V 1161
Moore, T R 0834 1231
Moormann, F R 0616
Moreno, J I 0546
Morin, J 0010 0011 1221
Morita, H 0835
Morras, H J M 0836
Morrison, R J 0837 0864
Mortland, M M 0838 0986
Mose, D G 0659
Moshe, R 0303
Moshi, A C 0839
Moshrefi, N 0441
Moss, R P 0840
Mott, C 0841
Moulin, V 0023
Moustakas, N 0673 0674
Muchena, F N 0924 1319
Mücher, H J 0684 0685 0842 0843
Mückenhausen, E 0844 0845
Mueller-Wegener, U 0846
Mueller, L 0416
Muhs, D R 0847
Muir, J W 0848
Mukhopadhyay, A K 0985
Mulder, D 0849
Muller, A 0043
Muller, J 0850
Muller, K 0851
Mundra, M C 0852
Munro, R N 1313
Murad, E 0853 1103
Murali, V 0854 0855
Murphy, C P 0215 0856 0857 0858
Murphy, E J 0859
Murtha, G G 0860
Mustafa, M A 0509
Myslivec, A 0861
Nagar, B R 0808
Nahon, D 0033 0862
Nahon, D B 0863
Naidu, R 0290 0864
Nakai, M 0865
Nakajima, H 0452
Nalovic, L 0866 0867
Narasimhan, T N 1328
Natale, I 0868

Nätscher, L 0869
Nauta, R 0129 0133
Neall, V E 1190
Nedelka, E 0165
Nelson, L A 0870 0871 0872 0873
Nelson, R E 0874 0877 0878
Németh, K 0875
Nettleton, W D 0874 0876 0877 0878 1244 1245
Newman, M J 0717
Newsome, D 0396
Neyroud, J A 0879
Ngatunga, E L N 0880
Niederbudde, E A 0881 0961
Nielsen, D R 0882
Nielsen, K E 0883 0884
Nissen, J 0526
Nissenbaum, A 0885 0886
Nissim, S 0303
Nkedi-Kizza, P 0035
Nornberg, P 0883 0884 0887 0888
Norrish, K 0442
Northcote, K H 0889 0890
Northey, R D 0891 1338
Norton, L D 0387 0892 0893
Noto, M 0815 0816 0818
Nullet, D 0894
Nyamekye, A L 1234
Nychas, A E 0895
Oades, J M 0256 0257 0258 0896 1115 1251
Obeng, H B 0623
Oborn, I 0897
O'Deen, W A 0264
Odeh, I O A 0898 0899
Odu, C T I 0907
O'Dubhain, T 0270
Oertli, J J 0900
Ogner, G 0901 0902 0903 0904 0905 0906
Ogunwale, J A 0907
Ohtsubo, M 0388
Olguin, C 0454
Olness, A 0908
Olson, C G 1031
Olson, G W 0909 0910
Olson, K R 0910
Olsson, M 0911
Orbell, G E 0926
Orchard, E R 0912 0913
Ord, B G 1293
Orekhova, N P 0628
Orlov, D S 0914
Ortiz de Serra, M I 1083
Ovaa, I 1273
Owens, L B 0387
Ozkan, A I 1022
Pachepskiy, Y A 0959
Pachepsky, Y A 0959
Page, F 0419
Pagliai, M 0493 0915
Pain, C F 0243
Pak, K P 0916
Pal, D K 0917
Pal, R 0918 0960 1145 1152 1153
Paliwal, K V 0761 0919 0920
Palmer, R C 0557
Palmieri, F 0460
Pape, J C 0921
Pape, T 0149 0805
Papritz, A 1091
Paquet, H 0862 1223
Parfenova, E I 0472 0922
Parfitt, R L 0147 0253 0923 0924 0925 0926
Parlange, J Y 1183
Parsons, J W 1038
Parsons, R B 0548 0927 0928
Paterson, E 0128
Pathak, A N 1174
Paton, T R 0137 0567 0929 0930
Patrykiejew, A 1168
Patwary, S U 0627
Pavan, M A 1024
Pawluk, S 0382 0383 0476 0772 0931 0932 0933 1056 1057
Pedro, G 0718 0934 0935
Peek, G 0172
Peinemann, N 0542 1250
Pelisek, J 0936
Peña, F 0164 0937
Peng Xianglin 1399
Pennock, D J 0938
Penven, M J 0939
Pereira, C 0940
Perkins, H F 0203
Perrott, K W 0941 0942 0943
Perruchot, A 0746
Petach, M C 0944
Peters, M 0122
Peters, T W 0790
Petersen, L 0825
Peterson, P J 0605 0606
Petruzzelli, G 0493 1111
Pettapiece, W W 0793
Pettry, D E 0945 0946 0947 0948 0949
Peverill, K I 0950 0951
Peyton, R L 0039
Philip, J R 0952
Philippy, R 0095
Phillips, I R 0953
Piccolo, A 0954
Pidgeon, J D 0955
Pietig, F 1067
Pijls, F W G 0956
Pillon, P 0597
Pinskiy, D L 0957
Pinsky, D L 0957
Pinta, M 0866 0867
Pinter, I 0306
Polyzopoulos, N A 0058
Ponge, J F 0958
Ponizovsky, A A 0959
Pons, L J 0677
Poonia, S R 0960 0961 1145 1152 1153
Popenoe, J H 0770
Popescu, M E 0962 0963 0964
Portegies Swart, R 0965
Posner, A M 0966
Prabhakaran Nair, K P 0967
Premi, P R 0968
Prenzel, J 0969
Preston, C M 0063 0970
Prihar, S S 0971
Pritchard, D T 0972
Protz, R 0733 0973 0974 0980 1093 1119
Prove, B G 1172
Prusinkiewicz, Z 0975
Puckett, W E 0272
Pullar, W A 0475 0976 0977
Pundeer, G S 1151
Puri, A N 0978
Quantin, P 0424 0979
Quinton, J 0504
Quirk, J P 0633
Raad, A T 0980
Rabenhorst, M C 1339
Racz, Z 0981
Radcliffe, D J 0024 0831
Ragg, J M 0982
Rahey, B D 0755
Rahi, G S 0983
Rahman, S M 0627
Rahte, I 0527
Rai, D 0984
Rajot, J L 0597
Raju, G S N 0985
Ramamoorthy, B 0012
Raman, K V 0986
Randhawa, N S 0123 1123 1151
Randle, K 0987
Ranger, J 0988
Ransom, M D 0989
Rao, P S C 0211
Rashid, M A 0990
Rasmuson, A 0991
Rasmussen, K 0825
Rasmussen, L 0992
Rastetter, E B 0282
Raupach, M 0602
Ray, B W 0350
Raynal, R 0993
Reaves, G A 0113 0114 0115 0994 0995
Rebertus, R A 0996
Reda, M 0644
Rees, H W 1022
Reeve, M J 0788
Reheis, M C 0997
Rehfuess, K E 1358
Remy, F 0763
Renger, M 0788 0998 0999 1000
Rennie, D A 1001 1002
Revel, J C 0617 1003
Reynders, J J 1004
Rezainejad, Y 0507
Rhoades, J D 0281
Rhue, R D 0767
Rice, J A 1005
Richard, F 1006
Richard G 0139
Richardson, J L 1020 1238
Richter, J 0332 1007
Ricour, J 0174
Riezebos, P A 1008
Riffaldi, R 1009
Riga, A 1010
Righi, D 0185 0186 0988 1011 1012
Riley, S J 1013
Ritchie, G S P 1014
Robert, M 0002 0590 0807 0939 0988 1015
Robertson, G W 0179 0180
Robertson, J A 0772
Robertson, K R 0990
Robertson, L 0785 1017 1018
Robinson, D 1016
Robinson, G H 1397
Robitaille, H A 0385
Rognon, P 0284
Roldan, J A 0416
Rolston, D E 1280
Romans, J C C 1017 1018
Roonwal, G S 1019
Rosek, M J 1020
Ross, G J 0733 0793 1021 1022 1325 1326 1327
Ross, S J 0111
Rosswall, T 1023
Roth, C H 1024
Rotini, O T 1025
Rouiller, J 0495
Rozhkov, V A 1026
Rozov, N N 0362
Rubilina, N E 1386
Rudeforth, C C 1027
Ruhe, R V 1028 1029 1030 1031

Runia • Theocharopoulos

Runia, L T 0210
Russell, E W 1032 1033 1034 1035 1036
Russell, J D 0308 1037 1038 1039 1040 1293
Russell, J S 0833 1041
Russell, M 0926
Rutherford, G K 0538 0545 1042 1043 1044 1045 1046
Ryan, J 1047
Ryden, J C 0797
Sabouraud, C 1048
Sahrawat, K L 1049
Saigusa, M 1050
Saiki, K 0452
Saini, G R 1051
Saiz-Jimenez, C 1052
Sakai, W S 0607
Sakuma, T 0529 0530
Salem, N 1053
Saly, R 1054
Samson, S A 1055
Sanborn, P 1056 1057
Sanchez, P A 1059
Sánchez Camazano, M 1058
Sánchez Martín, M J 1058
Sanders, F E 1060
Sanders, J R 0784
Sankhayan, S D 1061
Santamaria, R 1249
Sardin, M 0595 1062 1097
Sarma, V A K 0854 0855 1063
Sartain, J B 0035
Satyanarayana, K V S 0678
Schaetzl, R J 1064 1065
Schafer, B M 0750 1066
Schallinger, K M 0886
Schalscha, E B 0454
Scharpenseel, H W 1067 1185
Scheelar, M D 0728
Scheffer, F 1068 1069 1070
Scheffer, H C F 1071 1072
Schellentrager, G W 0272
Schelling, J 1073
Schiffmann, H 1185
Schimel, D S 1074
Schimmack, W 1075 1076
Schindler, P W 0453
Schmitt, H W 1077
Schnek, M 1117
Schnitzer, M 0063 0247 0464 0489 0646 0663 0664 0879 1009 1078 1079 1080 1081 1082 1083
Schoeller, H 1084
Schoeneberger, P 1085
Scholten, J J 0044 1086
Schoonderbeek, D 0134 0136 0611 1087
Schothorst, C J 1088
Schroeder, D 0198
Schuffelen, A C 1089
Schulin, R 1090 1091 1108
Schulten, H R 1092 1396
Schulze, D G 1103 1246
Schuppli, P A 0791 1093 1327
Schwaighofer, B 1094
Schwartz, D 1095 1096
Schweich, D 0595 1062 1097
Schwertmann, U 0158 0438 0621 0869 1098 1099 1100 1101 1102 1103 1209 1246 1359
Scoppa, C O 0702
Searle, P L 0653 0654 1104
Seekamp, G 0417 0418
Sehgal, J L 1105 1106 1107 1123
Sekhon, G S 1143 1144
Selim, H M 0032 0767 1090 1091 1108 1109
Semotan, J 0430
Senesi, N 0247 1110
Sequi, P 1025 1111
Sevilla, J 0336
Sevink, J 1112 1113 1303 1304
Shachar, N 1118
Shadfan, H 1114
Shainberg, I 0010 0011 0724
Shalaby, M H 0784
Shalhevet, J 0724
Shanmuganathan, R T 1115
Sharma, B D 0631
Sharp, G S 0075
Sharpley, A N 1116
Shaviv, A 1117 1118
Shaw, T C 0089 0090 0091 0092
Sheldrick, B H 0792
Shinagawa, A 0552
Shipitalo, M J 0387 0974 1119
Shoji, S 1050
Shtina, E A 1120
Shukla, U C 1061 1121 1149
Shurygina, E A 1122
Shvets, T V 0777
Shvets, V T 1082
Sidhu, P S 1123
Sievers, D M 1124
Sikora, F J 1125
Silver, J 0489
Simonson, R W 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137
Singer, A 0301 1138 1139 1140 1141 1142
Singer, M J 0018 0221 0431
Singh, B 1143 1144
Singh, D 1145
Singh, L 1146
Singh, M 1147 1148
Singh, R 1149
Singh, S 1146
Singh, T A 0498
Singhal, J P 1150
Sinha, M K 1123 1151
Siyag, R S 1152 1153
Skammelsen, E 0888
Skarlou, V 0506
Slager, S 0068 0149 0150 0677 1154 1295
Smaling, E M A 0593
Smeck, N E 0893 0989 1155 1156
Smettem, K R J 1157
Smiley, C J 1158
Smillie, G W 0291
Smith, B F L 1159
Smith, B J 1160
Smith, C A S 1161 1224
Smith, C W 1162 1163
Smith, R E 0793
Smith, S J 0480 1116
Smolkova, L 1164
Snyder, W M 0203
Soerianegara, I 1165 1166
Sokolova, T A 1405
Sokolowska, Z 1167 1168 1169
Sokolowski, S 1168
Sorensen, H 1170
Sorensen, M 0281
Sotakova, S 0559
Souchier, B 0377 0495
Southard, R J 0431
Sowden, F J 1171
Sowers, J M 0034
Spain, A V 1172
Speight, J G 0148
Spoor, G 1173
Sposito, G 0809
Sprössig, M 0541
Srivastava, O P 0852 1174
Srivastava, R C 1175
St Arnaud, R J 0462 1176 1177 1178 1179
Stacey, M 0532
Stahr, K 0635
Stammose, D 0023
Standley, J 0532
Stanford, G 1180
Stanton, D A 1181 1182
Stawinski, J 0592
Steenhuis, T S 0040 1183
Stein, A 0172 1184 1296
Steinnes, E 0650 0687 0688
Stephan, S 1185
Stephens, C G 1186 1187
Stevenson, F J 0954 1125 1188 1189
Stewart, B A 0480
Stewart, J W B 1179
Stewart, R B 1190
Sticher, H 1077 1191
Stocking, M A 0398
Stolpe, N B 1192
Stone, R O 1193
Stoop, W A 1194 1195 1196
Stoops, G 0800 0858 1107 1197 1198 1199 1200 1201
Stoops, G J 1202
Strebel, O 0788
Street, J J 0385
Stremme, H E 1203
Stroosnijder, L 0918 1204
Stuelpnagel, R 0390
Stumm, W 1205
Sudicky, E A 1206
Sulaiman, M S 0569
Sullivan, L A 1207 1208
Sumner, M E 0713
Süsser, P 1209
Swarnakar, R D 0978
Swift, R S 0521 0522 0533 0534 0535 0536 0796 1210
Syers, J K 0290 0584 0797 1190 1324
Szabolcs, I 1211 1212 1213
Szczypa, J 1169
Tabatabai, M A 0356
Takeda, H 1214
Takkar, P N 1215
Tan, K H 0732 1216 1217 1218 1219 1220
Tarchitzky, J 1221
Tardy, Y 0862 1222 1223
Tarnocai, C 1224
Tate, K R 0180 0260
Tavernier, R 0399
Taylor, C E B 1046
Taylor, R M 1225 1226
Tedrow, J C F 1227 1228
Tejedor Salguero, M L 0424
Terce, M 0647
Testini, C 1110
Theng, B K G 1229
Theocharopoulos, S P 0297 0298

Thevanayagam, S 1230
Thiel, F 0135 0136 1087
Thoisy-Dur, J C 0647
Thomas, A W 0203
Thomasson, A J 0788 1231
Thompson, M L 1232
Thompson, T L 1233
Tibai, T 0691
Tiessen, H 1234 1235
Tiller, K G 0208 1236 1237
Timpson, M E 1238
Tinker, P B H 1060
Tippkötter, R 1239
Toca, C G 0225
Toh, N 0819
Tokashiki, Y 0478 1240 1321
Tomlin, A D 1161
Tongway, D J 0843
Tonkin, P J 0521 0522
Topp, G C 1241
Torrance, J K 1326
Torrent, J 0164 0937 1242 1243 1244 1245 1246
Touboul, E 0292
Tran, M T 0023
Trangmar, B B 1291
Trasar-Cepeda, M C 1247
Trichet, J 1048
Troeh, F R 1248
Tschapek, M 0322 0868 1249 1250
Tsouloucha, F 0506
Tsyurupa, I G 0916
Tubail, K 0651 0652
Turchenek, L W 1251
Turner, R C 0624
Twardy, A G 0728
Tynen, M J 1161
Uehara, G 1252
Ugolini, F C 0293 0294
Ulrich, B 1253
Um, K T 0815
Unger, P W 1254
Ure, A M 1255
Uriyo, A P 0880 1256 1257 1258
Vahtras, K 1353
Val, R M 0573
Valentin, C 1259
Valentine, K W G 1260
Valeton, I 1261
Valocchi, A J 1262
van Adrichem Boogaert, H A 0136
van Baren, F A 1263 1264 1265
van Bladel, R 0463 1266
van Breemen, N 0423 0612
Vance, G F 0828
Vancura, V 1289 1290
van den Broek, J M M 1267
Van den Hurk, J A 1341
van der Eijk, D 0593
van der Marel, H W 1267
Van der Merwe, C R 1268
van der Plas, L 1269 1270
Van der Sluijs, P 1271 1272
Vander Zaag, P 1291
van der Zee, S E A T M 1273 1285
van de Veen, J R 0449
van Diest, A 1274 1275
Van Dijk, H 1276
van Eimern, J 1277
van Garderen, J 1278
van Genuchten, M T 0299 1279 1280
van Heesen, H C 1281
Van Hooff, P 1282
van Keulen, H 0339
van Kuilenburg, J 1283
Van Loon, G W 0538 0545
Van Moort, J C 1284
Van Praag, H J 1010
van Reeuwijk, L P 1269
van Reuler, H 0593
van Riemsdijk, W H 1273 1285
van Rooyen, D J 0173 0344
Van Rooyen, P C 1286 1335
van Rosmalen, H A 0043
van Schuylenborgh, J 0200 0965 1270 1287
Van Shagen, R H 0150
Van Wambeke, A 0702
Van Wambeke, A A 1288
Varade, S B 1292
Vaughan, D 1039 1040
Vaughn, D 1293
Védy, J C 0175
Veen, A W L 1294 1295
Veldkamp, A 0612
Veldkamp, E 1296
Veneau, G 1015
Veneman, P L M 1297 1298
Venugopal, K R 0917
Vepraskas, M J 1298 1299
Verges, V 1300
Verjus, P 0763
Verloo, M 1053
Verosub, K L 0431
Verstraeten, L M J 1301 1302
Verstraten, J M 1112 1303 1304
Vielvoye, L 0343
Viets, F G , Jr 1305
Vijarnsorn, P 1306
Villar, M C 0842
Vink, A P A 0965 1113 1307
Vinkler, P 1308
Violante, A 0402 1309 1310
Violante, P 1310 1311
Virgo, K J 1312 1313
Vis, M 0571
Visser, S A 0227 0409 1314
Volbert, B 0133 0135
Volobuyev, V R 1315
von Buch, M W 1316
von Freiesleben, N E 0992
Voronin, A D 1317
Vreeken, W J 1318
Wada, K 0813 0820 0924 1240 1319 1320 1321 1322
Wada, S 1322
Wagenet, R J 0944
Wagner, G H 0896
Wakatsuki, T 0817 1349
Walker, P H 0256 0257 0258
Walker, T W 0007 1323 1324
Walmsley, D 0514
Wang, C 0793 1022 1325 1326 1327
Wang, J S Y 1328
Wang, M K 0561
Wang, T S C 0561
Ward, W T 0731
Wardle, R E 0533
Warne, S S J 1329
Warren, A 1330
Warren, C G 0264
Warren, C J 0384
Wasson, R J 1331
Watson, J P 1332 1333
Watson, J R 1038
Watt, J J 1255
Wauters, F 0336
Webber, J 1334
Weber-Diefenbach, K 0100
Weber, H W 1286 1335
Webster, R 0778 1027
Weiblen, P W 0385
Weir, A H 1336
Wells, C B 0129
Wells, N 1337 1338
Werner, H W 0131
West, L T 1339
West, N E 1340
Westerveld, G J W 0500 1341
Westfall, D G 1342
Whalley, W B 1160
Whelan, B R 1343
White, A W , Jr 0203
Whitmore, A P 0008
Wickens, G E 1344 1345
Wieder, M 1346 1347
Wielemaker, W G 1348 1349
Wiklander, L 1350 1351 1352 1353
Wilcox, B P 1354
Wild, A 0839 1355
Wilding, L P 0214 0372 0373 1156 1233 1339 1356
Wilke, B 1357
Wilke, B M 1358 1359
Wilkinson, G E 1360
Willatt, S T 1361
Williams, A F 0614
Williams, C 1362 1363
Williams, J 0287 0860
Williams, J G 0796
Wilson, A T 0943
Wilson, G V 0594 0743 1364
Wilson, M A 1365
Wilson, M J 0115 0308 0499 1311 1366 1367
Wilson, S R 1371
Wissa, A E Z 1368
Wolf, J 0593
Wolynetz, M S 0794
Wösten, J H M 0171 0342 1369
Wright, M J 0599 1370
Wright, R F 0282
Wright, R L 1371
Wu, M H 0561
Xie, R J 1372
Yaalon, D H 0250 0302 0303 0753 1137 1260 1346 1347 1363 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385
Yam, O 0434
Yarilova, E A 0421 0922 1386
Yariv, S 1387
Yassoglou, N 0674
Yassoglou, N J 0618 0619 0620
Yelkin, Y N 0777 1082
Yonebayashi, K 1388
Yoshinaga, N 0865
Yost, R S 1291 1389
Youd, T L 1390
Youngs, E G 1391
Yu, T R 0363 1398
Yust, N A 0272
Zachariae, G 1392
Zaidelman, F R 1393
Zanini, E 0055

Zauyah • Zyrin

Zauyah, S 1394
Zavaleta, A 1202
Zayach, S J 1395
Zebarth, B J 0938
Zech, W 0100 0153 0513 0665 1092 1357 1396 1404
Zein el Abedine, A 1397
Zelazny, L W 0743 0811
Zelles, L 1076
Zhang, G Y 1398
Zhang, X N 1398
Zhang Shuguang 1399
Zhao, A Z 1398
Zhuang, W 0470
Zhu Xianmo 1399
Ziechmann, W 0719 1400 1401 1402
Zoettl, H W 0635
Zonn, I 1403
Zucker, A 1404
Zyrin, N G 1405